

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

Inland Production Company

3. ADDRESS OF OPERATOR

P.O. Box 1446 Roosevelt, UT 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface

SE/SE

At proposed prod. zone 572' FSL & 601' FEL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

13.7 miles south of Myton, UT

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drilg. unit line, if any)

572'

16. NO. OF ACRES IN LEASE

960

17. NO. OF ACRES ASSIGNED

TO THIS WELL 40

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

1198'

19. PROPOSED DEPTH

6500'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5302' GR

22. APPROX. DATE WORK WILL START\*

2nd Quarter 1996

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	300'	120 sx Class G + 2% CaCl + 2% Gt
7 7/8	5 1/2	15.5#	TD	400 sx Hlift followed by
				330 sx Class G w/ 2% CaCl

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED Brad Mechem BO Mechem TITLE Operations Manager

DATE 12/12/95

(This space for Federal or State office use)

PERMIT NO. 43-013-31597

APPROVAL DATE

APPROVED BY [Signature]  
CONDITIONS OF APPROVAL, IF ANY:

TITLE Petroleum Engineer

DATE 2/8/96

\*See Instructions On Reverse Side

LOCATED IN THE SE1/4 OF THE SE1/4  
SECTION 25, T8S, R16E, S.L.B.&M.



**JERRY D. ALLRED & ASSOCIATES**  
SURVEYING CONSULTANTS  
121 NORTH CENTER STREET  
P.O. BOX 975  
DUCHESE, UTAH 84021  
(801)-738-5352

**INLAND PRODUCTION COMPANY  
MONUMENT BUTTE FEDERAL #16-25  
SE/SE SECTION 25, T8S, R16E  
DUCHESNE COUNTY, UTAH**

**TEN POINT WELL PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

**2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' - 3030'
Green River	3030'
Wasatch	6500'

**3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 3030' - 6400' - Oil

**4. PROPOSED CASING PROGRAM**

8 5/8", J-55, 24# w/ ST&C collars; set at 300' (New)  
5 1/2", K-55, 15.5# w/ LT&C collars; set at TD (New)

**5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operators minimum specifications for pressure control equipment are as follows:

A 8" Series 900 Hydril Bag type BOP and a 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOPS's will be checked daily.

(See Exhibit F)

**6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

It is proposed that the hole be drilled with fresh water to the Green River Formation @ approximately 3030', and with mud thereafter. The mud system will be a water based gel-chemical, weighted to 10.0 ppg as necessary for gas control.

**7. AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TTW valve with drill pipe threads.

8. TESTING, LOGGING AND CORING PROGRAMS:

No drill stem testing has been scheduled for this well. It is anticipated at this time that the logging will consist of a Dual Induction Laterolog, Compensated Neutron-Formation Density Log. Logs will run from TD to 3500'. The cement log will be run from PBTD to cement top. The use of mud loggers to be determined at a later date.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered; nor that any other abnormal hazards such as H2S will be encountered in this area.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

It is anticipated that the drilling operations will commence in the 2nd Quarter, 1996 and take approximately eight days to drill.

**INLAND PRODUCTION COMPANY  
MONUMENT BUTTE FEDERAL #16-25  
SE/SE SECTION 25, T8S, R16E  
DUCHESNE COUNTY, UTAH**

**THIRTEEN POINT WELL PROGRAM**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Inland Production Company well location site Monument Butte Federal #16-25 located in the SE 1/4 SE 1/4 Section 25, T8S, R16E, S.L.B. & M. Duchesne County, Utah:

Proceed westerly out of Myton, Utah along Highway 40 - 1.5 miles  $\pm$  to the junction of this highway and Utah State Highway 53; proceed southerly along Utah State Highway 53 - 6.3 miles, with an existing dirt road to the southwest; proceed southwesterly along this road 2.8 miles to its junction with an existing dirt road to the south; proceed southeasterly along this road .8 miles to its junction with an existing dirt road to the East; proceed easterly 2.3 miles to its intersection with the beginning of the proposed access road to be discussed in item #2.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County Crews.

The aforementioned dirt oilfield service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads required for access during the drilling, completion and production phase will be maintained at the standards required by the BLM or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

**2. PLANNED ACCESS ROAD**

See Topographic Map "B".

The planned access road leaves the existing location described in Item #1 in the SW 1/4 SE 1/4 Section 25, T8S, R16E, S.L.B. & M., and proceeds in a north/easterly direction approximately 1100' to the proposed location site.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is determined necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%.

There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. **LOCATION OF EXISTING WELLS**

There are six (6) producing, and two (2) injection, Inland Production Co. wells, within a one (1) mile radius. See Exhibit "D".

4. **LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery the well pad will be surrounded by a dike of sufficient capacity to contain at minimum the entire contents of the largest tank within the facility battery.

Tank batteries will be built to BLM specification.

All permanent (on site for six (6) months or longer) structures constructed or installed (including pumping units) will be painted Desert Tan. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

At the present time, it is anticipated that the water for this well will be transported through a temporary surface pipeline from our pre-approved Inland Production Company fresh water supply line located at the Monument Butte Federal #5-35 (SW/NW Sec. 35, T8S, R16E) location as indicated on Topographic Map - Exhibit "C".

In the event this water source is not used an alternate source will be used and all the necessary arrangements will be made with the proper authorities.

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

See Location Layout Sheet - Exhibit "E".

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road. (Pit lining material is referred to in Item #7.)

A mineral material application is not required for this location.

7. METHODS FOR HANDLING WASTE DISPOSAL

See Location Layout Sheet - Exhibit "E".

If the reserve pit is lined, it will be constructed and lined with a plastic nylon reinforced line so as not to leak, break, or allow discharge. It will be a minimum of 12 mil thickness with sufficient bedding (either straw or dirt) to cover any rocks. The line will overlap the pit wall and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed on in the pit.

After first production, produced water will be confined to a pit or storage tank for a period not to exceed one hundred twenty (120) days. During the one hundred twenty (120) day period, in accordance with the onshore order #7, an application for approval of permanent disposal method and location, along with required water analysis, shall be submitted for the Authorized Officers approval.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT

See attached Location Layout Sheet - Exhibit "E".

The reserve pit will be located on the north side between stakes 4 & 5.

There will be no flare pit on this well.

The stockpiled topsoil (first six (6) inches) will be stored on the south side near stake #8.

Access to the well pad will be from the west, between stakes 2 & 3.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

- a) 39 inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be cemented and/or braced in such a manner to keep tight at all times.

- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

**10. PLANS FOR RESTORATION OF SURFACE**

**a) *Producing Location***

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before back filling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be re contoured to the approximated natural contours. The reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons, all cans, barrels, pipe, etc., removed.

When the drilling and completion phase ends, reclamation of unused disturbed areas on the well pad/access road no longer needed for operations, such as cut slopes, and fill areas will be accomplished by grading, leveling and seeding as recommended by the Authorized Officer. The seed mixture will be per B.L.M. and stated in the conditions of approval.

**b) *Dry Hole Abandoned Location***

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the B.L.M. will attach the appropriate surface rehabilitation conditions of approval.

**11. SURFACE OWNERSHIP - Bureau Of Land Management**



12. **OTHER ADDITIONAL INFORMATION**

- a) Inland Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Inland is to immediately stop work that might further disturb such materials, and contact the Authorized Officer.
- b) Inland Production will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. On B.L.M. administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without B.L.M. authorization. However, if B.L.M. authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

The Cultural Resources Survey will be submitted, as soon as it becomes available.

*Additional Surface Stipulations*

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations. Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. Inland Production is fully responsible for the actions of its subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Inland Production Company or a contractor employed by Inland Production shall contact the B.L.M. office at (801) 789-1362, 48 hours prior to construction activities.

The B.L.M. office shall be notified upon site completion prior to moving on the drilling rig.

MONUMENT BUTTE FEDERAL #16-25

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

Name: Brad Mecham

Address: P.O. Box 1446 Roosevelt, Utah 84066

Telephone: (801) 722-5103

Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of Well #16-25 SE/SE Section 25, Township 8S, Range 16E: Lease #U-67170 ; Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

12-14-95

Date



Brad Mecham  
Operations Manager

**MONUMENT BUTTE FEDERAL #16-25  
SE/SE SEC. 25, T8S, R16E  
DUCHESNE COUNTY, UTAH  
U-67170**

**HAZARDOUS MATERIAL DECLARATION**

INLAND PRODUCTION COMPANY guarantees that during the drilling & completion of the above referenced well, we will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986.

INLAND PRODUCTION COMPANY guarantees that during the drilling and completion of the above referenced well, we will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

JOHNSON WATER DISTRICT  
R.R. 3 BOX 3188  
ROOSEVELT, UT 84066  
TELEPHONE (801) 722-2620

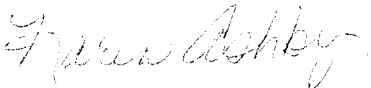
October 17, 1995

TO WHOM IT MAY CONCERN:

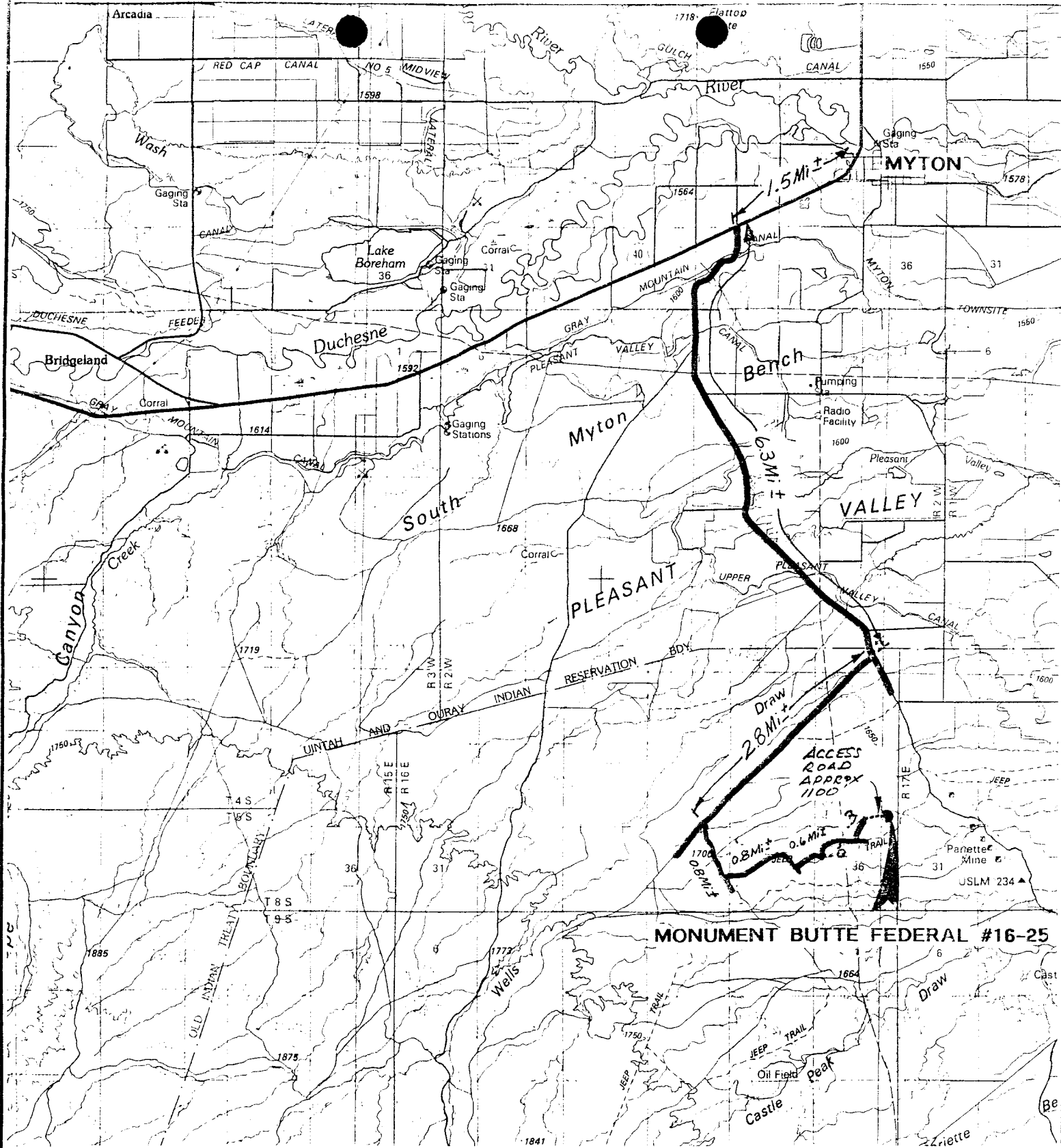
Inland Production Company has purchased a 3 inch water connection with Johnson Water District to supply Monument Butte oilfield.

Johnson Water District has given permission to Lomax Exploration Company to use water from our system for the purpose of drilling and completing the Monument Butte Federal 9-25, 6-25, 16-25, 8-25.

Sincerely,



Karen Ashby,  
Secretary



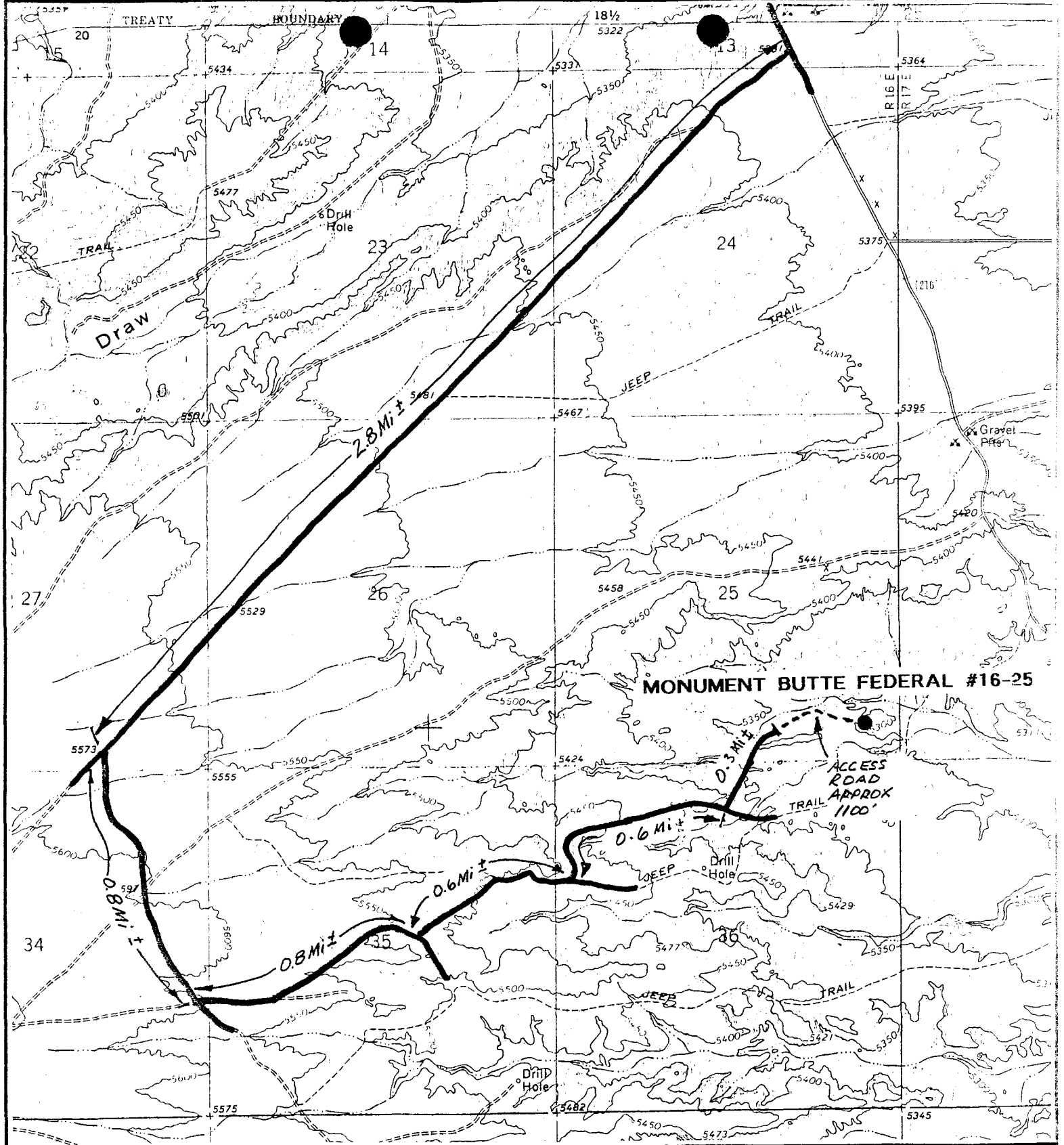
TOPOGRAPHIC  
MAP "A"



**INLAND PRODUCTION COMPANY**

**MONUMENT BUTTE FEDERAL #16-25  
SECTION 25, T8S, R16E, S.L.B.&M.**

6 Dec '95 84-121-042



TOPOGRAPHIC  
MAP "B"  
SCALE: 1"=2000'



**INLAND PRODUCTION COMPANY**  
**MONUMENT BUTTE FEDERAL #16-25**  
**SECTION 25, T8S, R16E, S.L.B.&M.**

6 Dec '95      34-121-042

POWER LINE

JOHNSON WATER LINE

R 2 W

WATER SOURCE

**Lomax**

RIGHT-OF-WAY and ACCESS  
FOR FRESH WATER PIPELINE

DUCHESNE CO., UTAH

EXHIBIT C

SCALE 1:24,000

Date: 10/88 REVISED 3/89

BY: D. TAFF

PIPE LINE

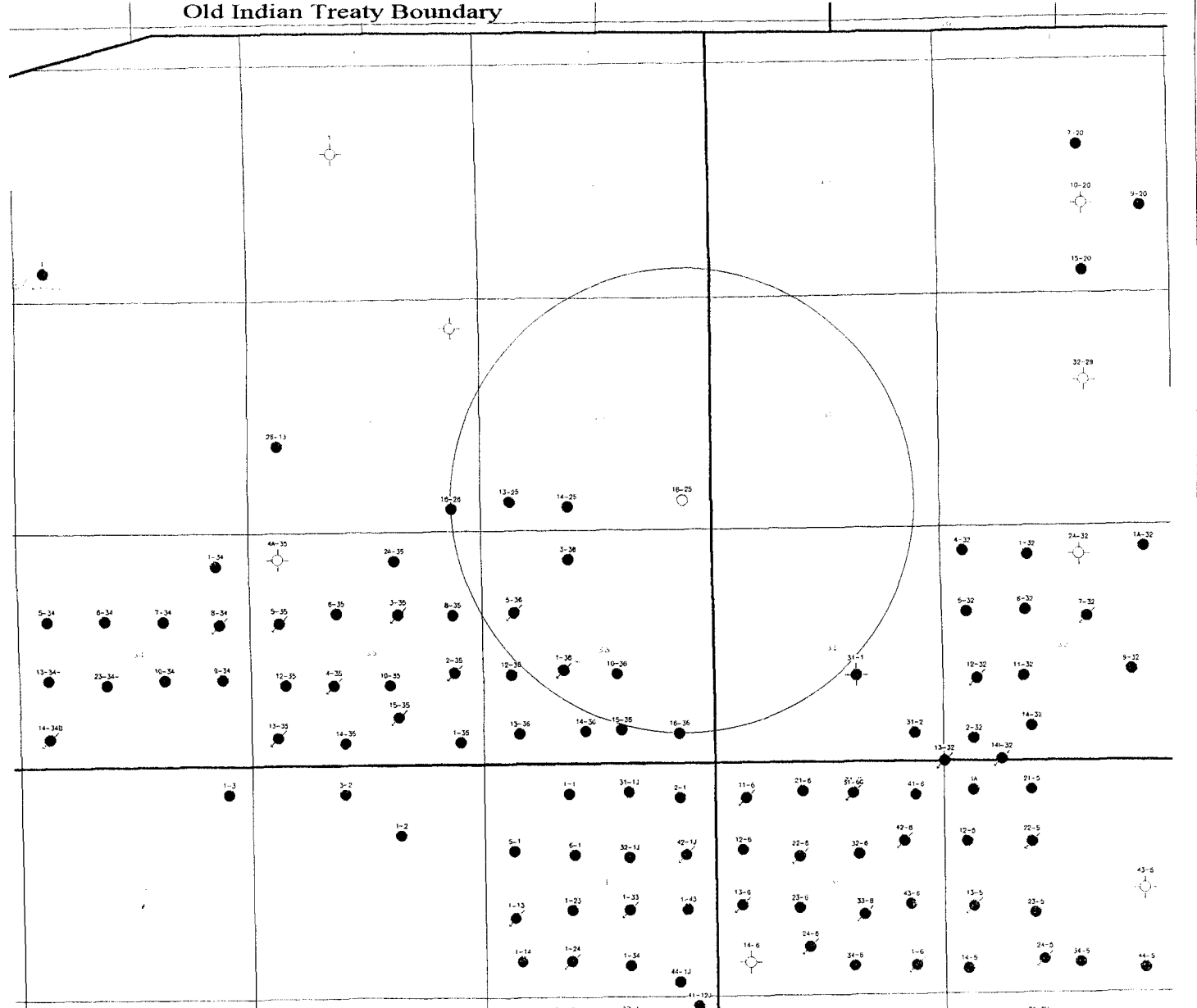
PUMP BLDG.

R 16 E

# EXHIBIT "D"

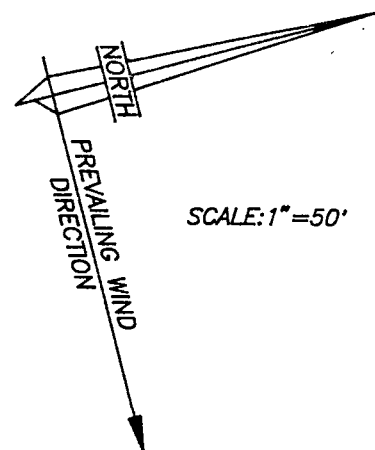
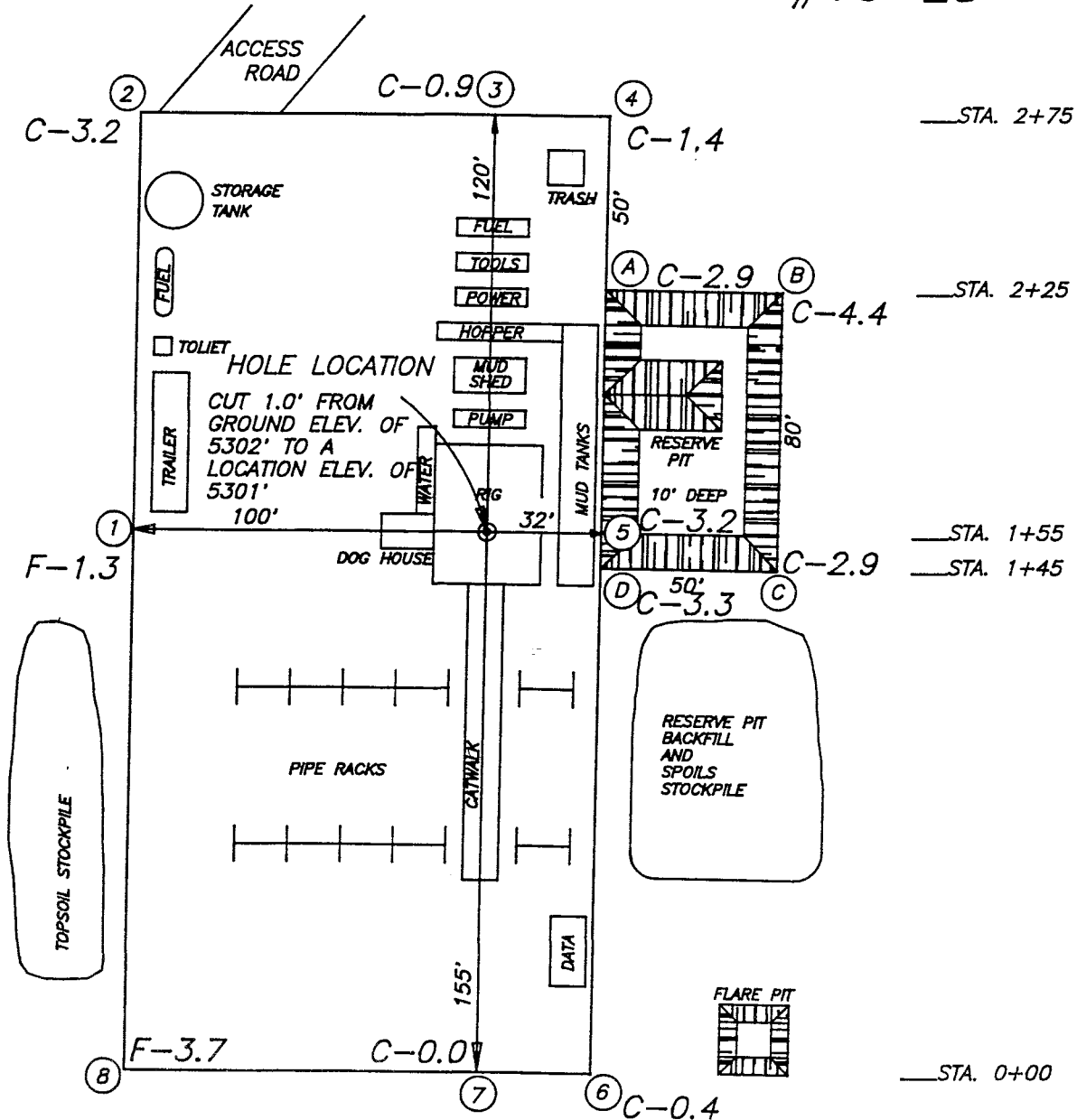


Old Indian Treaty Boundary





# INLAND PRODUCTION CO. WELL LAYOUT PLAT MONUMENT BUTTE FEDERAL #16-25

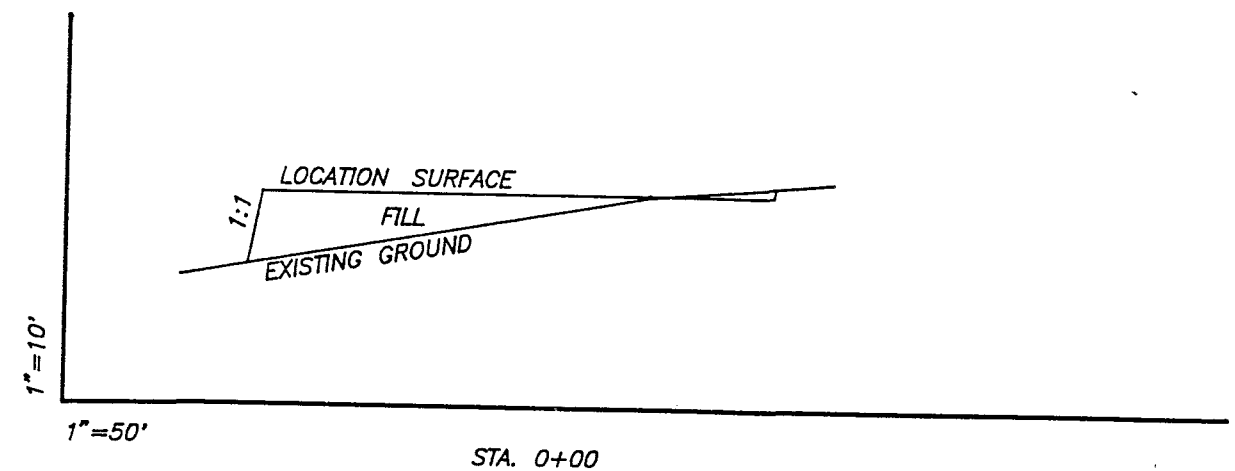
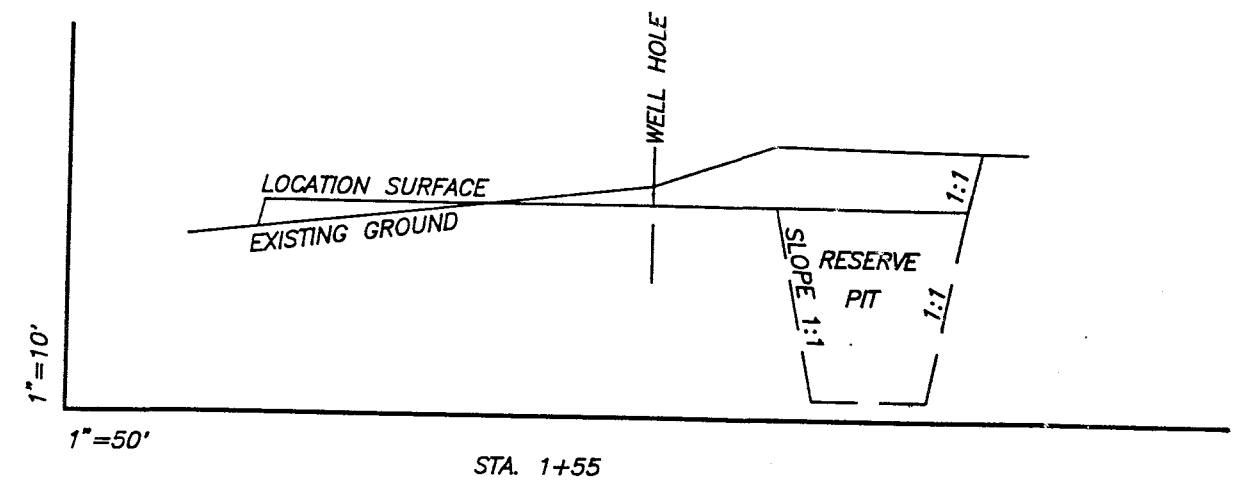
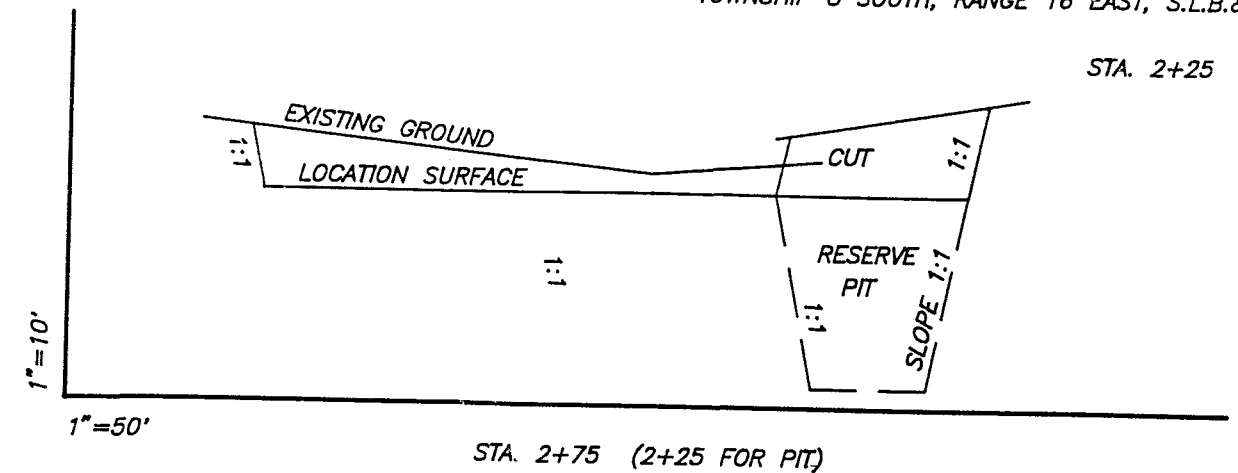


SCALE: 1"=50'

## APPROXIMATE QUANTITIES

CUT: 2500 CU. YDS. (INCLUDES PIT)  
FILL: 900 CU. YDS.

LOCATED IN THE SE1/4 OF THE SE1/4 OF SECTION 25,  
TOWNSHIP 8 SOUTH, RANGE 16 EAST, S.L.B.&M.

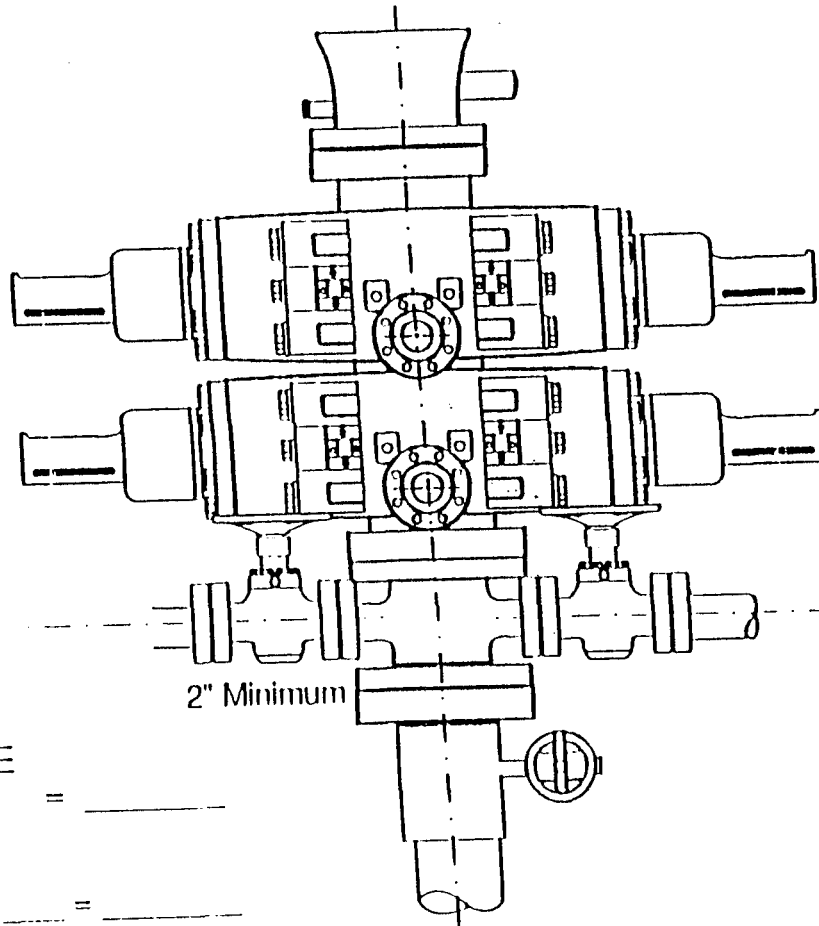


JERRY D. ALLRED AND ASSOCIATES  
Surveying and Engineering Consultants

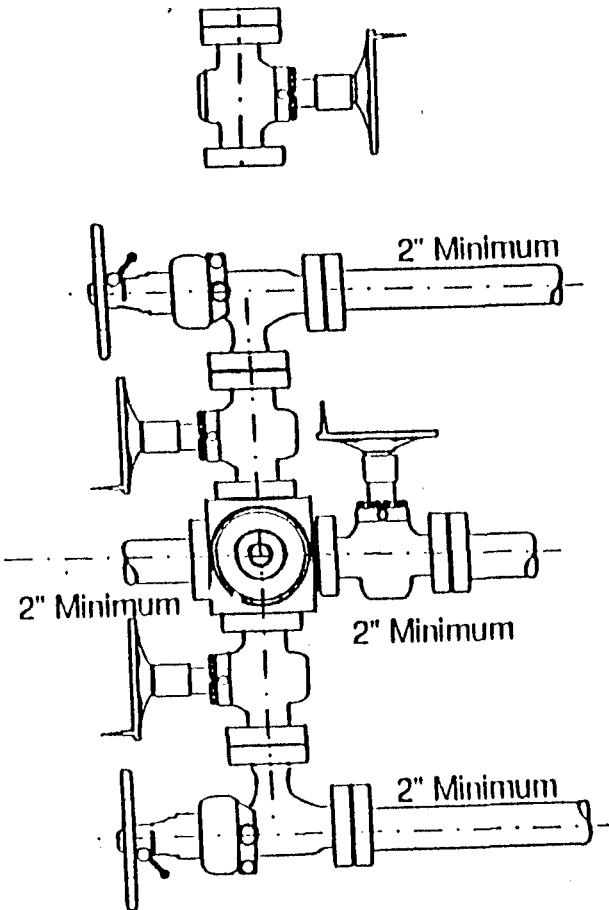
121 NORTH CENTER STREET  
P.O. BOX 975  
DUCHESNE, UTAH 84021  
(801) 738-5352

# 2-M SYSTEM

TYPE B.O.P.  
 ke:  
 ze:  
 el:



GAL TO CLOSE  
 Annular BOP = \_\_\_\_\_  
 Ramtype BOP  
 \_\_\_\_\_ Rams x \_\_\_\_\_ = \_\_\_\_\_  
 = \_\_\_\_\_ Gal.  
 \_\_\_\_\_ x 2 = \_\_\_\_\_ Total Gal.



Rounding off to the next higher  
 increment of 10 gal. would require  
 \_\_\_\_\_ Gal. (total fluid & nitro volume)

EXHIBIT F

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 12/18/95

API NO. ASSIGNED: 43-013-31597

WELL NAME: MONUMENT BUTTE FEDERAL 16-25  
OPERATOR: INLAND PRODUCTION COMPANY (N5160)

PROPOSED LOCATION:

SESE 25 - T08S - R16E  
SURFACE: 0572-FSL-0601-FEL  
BOTTOM: 0572-FSL-0601-FEL  
DUCHESNE COUNTY  
UNDESIGNATED FIELD (002)

LEASE TYPE: FED  
LEASE NUMBER: U - 67170

PROPOSED PRODUCING FORMATION: GRRV

INSPECT LOCATION BY: / /

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Federal ☒ State ☐ Fee ☐  
(Number 4488944)  
☒ Potash (Y/N)  
☒ Oil shale (Y/N)  
☒ Water permit  
(Number FIELD INJECTION WELL 8-35)  
☒ RDCC Review (Y/N)  
(Date: \_\_\_\_\_)

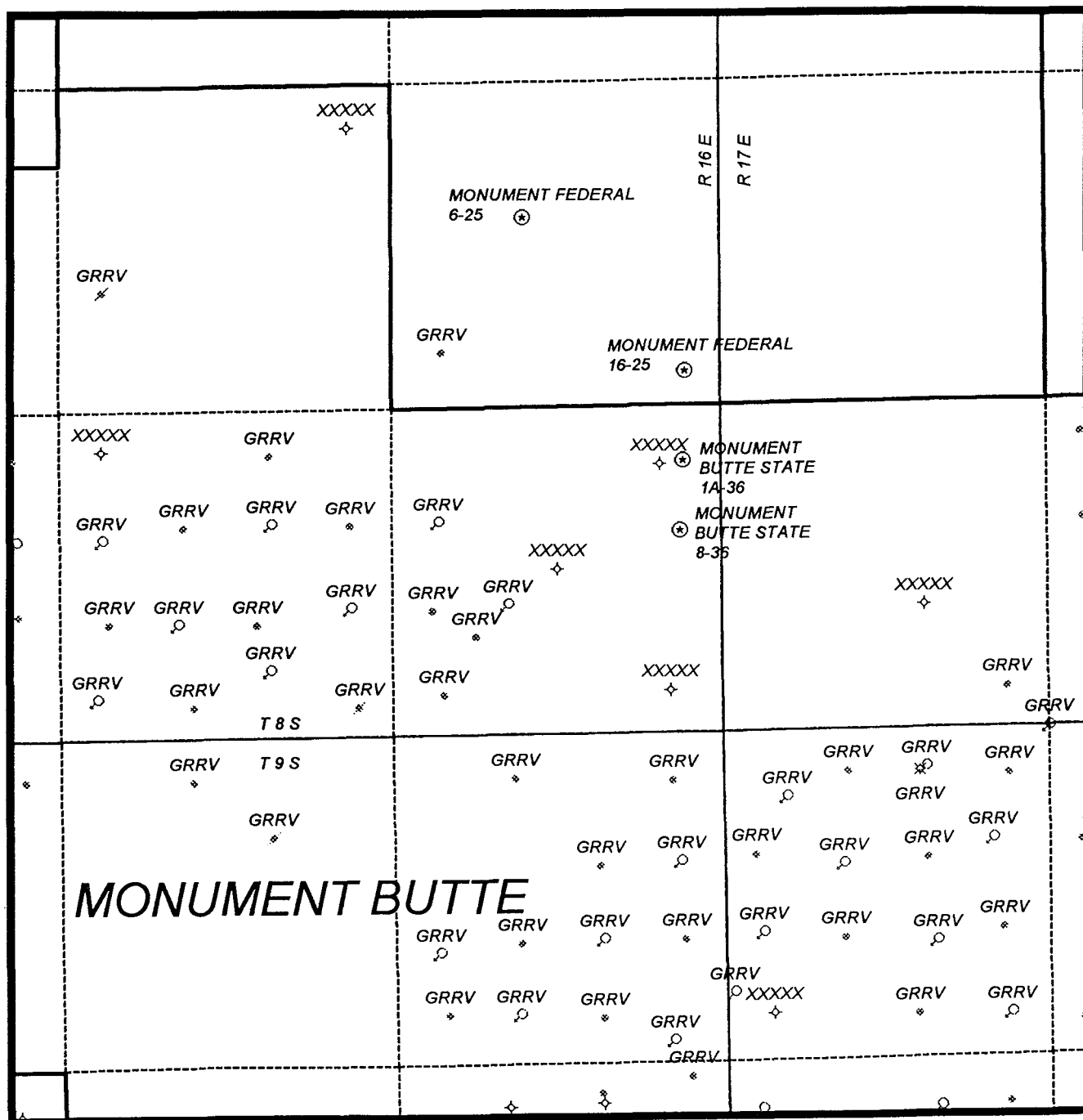
LOCATION AND SITING:

\_\_\_ R649-2-3. Unit: \_\_\_\_\_  
☒ R649-3-2. General.  
\_\_\_ R649-3-3. Exception.  
\_\_\_ Drilling Unit.  
\_\_\_ Board Cause no: \_\_\_\_\_  
\_\_\_ Date: \_\_\_\_\_

COMMENTS: \_\_\_\_\_

STIPULATIONS: \_\_\_\_\_

INLAND PRODUCTION COMPANY  
 MONUMENT BUTTE AREA  
 DEVELOPMENT DRILLING  
 DUCHESNE COUNTY  
 UAC R649-3-2



**STATE OF UTAH, DIV OF OIL, GAS & MINERALS**

<b>Operator: INLAND PRODUCTION CO</b>	<b>Well Name: MONUMENT BUTTE FED 1</b>
<b>Project ID: 43-013-31597</b>	<b>Location: SEC. 25 - T08S - R16E</b>

**Design Parameters:**

Mud weight (10.00 ppg) : 0.519 psi/ft  
 Shut in surface pressure : 2853 psi  
 Internal gradient (burst) : 0.081 psi/ft  
 Annular gradient (burst) : 0.000 psi/ft  
 Tensile load is determined using air weight  
 Service rating is "Sweet"

**Design Factors:**

Collapse : 1.125  
 Burst : 1.00  
 8 Round : 1.80 (J)  
 Buttress : 1.60 (J)  
 Other : 1.50 (J)  
 Body Yield : 1.50 (B)

Length (feet)		Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost	
1	6,500	5.500	15.50	K-55	LT&C	6,500	4.825		
	Load (psi)	Collapse Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	3377	4040	1.196	3377	4810	1.42	100.75	239	2.37 J

Prepared by : MATTHEWS, Salt Lake City, Utah  
 Date : 02-08-1996  
 Remarks :

Minimum segment length for the 6,500 foot well is 1,500 feet.  
 SICP is based on the ideal gas law, a gas gravity of 0.75, and a mean gas  
 temperature of 119°F (Surface 74°F , BHT 165°F & temp. gradient 1.400°/100 ft.)  
 String type: Production  
 The mud gradient and bottom hole pressures (for burst) are 0.519 psi/ft and  
 3,377 psi, respectively.

**NOTE:** The design factors used in this casing string design are as shown above. As a general  
 guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with  
 evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension,  
 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension  
 was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility  
 for use of this design will be that of the purchaser.  
 Costs for this design are based on a 1987 pricing model. (Version 1.07)



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

February 8, 1996

Inland Production Company  
P.O. Box 1446  
Roosevelt, Utah 84066

Re: Monument Butte Federal #16-25 Well, 572' FSL, 601' FEL, SE SE, Sec. 25,  
T. 8 S., R. 16 E., Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31597.

Sincerely,

R. J. Firth  
Associate Director

lwp

Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office  
WAPD



Operator: Inland Production Company  
Well Name & Number: Monument Butte Federal #16-25  
API Number: 43-013-31597  
Lease: U-67170  
Location: SE SE Sec. 25 T. 8 S. R. 16 E.

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5340.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews or Mike Hebertson at (801)538-5340.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER ☐

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

Inland Production Company

3. ADDRESS OF OPERATOR

P.O. Box 1446 Roosevelt, UT 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface

SE/SE

At proposed prod. zone 572' FSL & 601' FEL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

13.7 miles south of Myton, UT

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

572'

16. NO. OF ACRES IN LEASE

960

17. NO. OF ACRES ASSIGNED

TO THIS WELL 40

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

1198'

19. PROPOSED DEPTH

6500'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5302' GR

22. APPROX. DATE WORK WILL START\*

2nd Quarter 1996

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	300'	120 sx Class G + 2% CaCl + 2% Gel
7 7/8	5 1/2	15.5#	TD	400 sx HIlift followed by
				330 sx Class G w/ 2% CaCl

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED Brad Mecham *Brad Mecham* TITLE Operations Manager DATE 12/12/95

(This space for Federal or State office use)

PERMIT NO. 43-013-31597

APPROVAL DATE

APPROVED BY *[Signature]*  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

ASSISTANT DISTRICT  
MANAGER

DATE FEB 13 1996

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED  
TO OPERATOR'S COPY

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

44-080-6m-036



CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: Monument Butte Federal 16-25

API Number: 43-013-31597

Lease Number: U - 67170

Location: SESE Sec. 25 T. 8S R. 16E

**NOTIFICATION REQUIREMENTS**

- |                                 |   |   |
|---------------------------------|---|---|
| Location Construction           | - | at least forty-eight (48) hours prior to construction of location and access roads.   |
| Location Completion             | - | prior to moving on the drilling rig.  |
| Spud Notice                     | - | at least twenty-four (24) hours prior to spudding the well.   |
| Casing String and Cementing     | - | at least twenty-four (24) hours prior to running casing and cementing all casing strings.   |
| BOP and Related Equipment Tests | - | at least twenty-four (24) hours prior to initiating pressure tests.   |
| First Production Notice         | - | within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days. |

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

### CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

#### A. DRILLING PROGRAM

##### 1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

##### 2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 2M system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

The Vernal District Office shall be notified, at least 24 hours prior to initiating the pressure tests, in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the usable water, identified at 2,519 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

The Vernal District Office shall be notified at least 24 hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to  $\pm$  2319 ft., and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

A sonic log will be run from the production casing shoe to a minimum of 200 ft. above the top of the Mahogany oil shale. A Dual Lateral log will be run from TD to the base of the surface casing.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours prior to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling onlease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and within 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, please contact one of the following individuals:

Ed Forsman                      (801) 789-7077  
Petroleum Engineer

Wayne P. Bankert              (801) 789-4170  
Petroleum Engineer

BLM FAX Machine              (801) 781-4410

## EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

CONDITIONS OF APPROVAL  
FOR THE SURFACE USE PROGRAM OF THE  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

API Number 43-013-31597

Well Name & Number: Monument Butte 16-25

Lease Number: U-67170

Location: SE SE Sec. 25 T.8 S. R.16 E.

Surface Ownership: BLM

Date NOS Received 1-8-96

Date APD Received 1-8-96

-Notification Requirements:

- \* Location Construction- Forty-eight (48) hours prior to construction of location and access roads.
- \* Location Completion- Prior to moving on the drilling rig.
- \* Spud Notice- At least twenty-four (24) hours prior to spudding the well.
- \* Casing String and Cementing- Twenty-four (24) hours prior to running casing and cementing all casing strings.
- \* BOP and Related Equipment Tests- Twenty- four (24) hours prior to initiating pressure test.
- \* First Production Notice- Within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

-Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, (1989).

-All vehicle travel will be confined to existing access road rights-of-way.

-After first production, produced waste water will be confined to a lined pit or storage tank for a period not to exceed ninety (90) days. During the 90 day period, in accordance with Onshore Order No. 7 an application for approval of a permanent disposal method and



location, along with required water analysis, shall be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

-Topsoil stockpile should be placed around the northeast corner, rather than on the south side as show on the cut sheet.

-It is not anticipated that a liner will be required in the reserve pit, however, Byron Tolman with the BLM will be notified when the pit has been complete so an inspection can be made. If porous soils or fractured rock is encountered a liner may be required.

-No construction, drilling or workover operations are to occur between February 1 and July 15, 1996, to protect nesting raptors. This clearance is good for the 1996 reproductive season only.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: INLAND PRODUCTION

Well Name: MONUMENT BUTTE FEDERAL 16-25

Api No. 43-013-31597

Section 25 Township 8S Range 16E County DUCHESNE

Drilling Contractor

Rig #

SPUDDED: Date 4/1/96

Time

How DRY HOLE

Drilling will commence

Reported by D. INGRAM-DOGM

Telephone #

Date: 4/9/96 Signed: JLT

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

5. Lease Designation and Serial No.

**U-67170**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

**Monument Butte Fed. #16-25**

9. API Well No.

**43-013-31597**

10. Field and Pool, or Exploratory Area

**Monument Butte**

11. County or Parish, State

**Duchesne County, Utah**

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**Inland Production Company**

3. Address and Telephone No.

**P.O. Box 1446 Roosevelt, UT 84066 (801) 722-5103**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**SE SE 572' FSL & 601' FEL  
Sec. 25, T8S, R16E**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☒ Altering Casing  
☒ Other **Spud Notification**

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

**Drilled 303' of 12 1/4" hole w/ Leon Ross rathole rig. Set 297.84' of 8 5/8" 24# J-55 csg. Drilled mouse & rat hole. Cmt w/ 120 sx prem + 2% gel + 2% CaCl + 1/4#/sk flocele.**

**SPUD ON 4/1/96**

14. I hereby certify that the foregoing is true and correct

Signed **Cheryl Cameron** Title **Regulatory Compliance Specialist** Date **4/8/96**

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any:

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR Inland Production Company  
ADDRESS P.O. Box 1446  
Roosevelt, UT 84066

OPERATOR ACCT. NO. 5160

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	10835	43-013-31571	Monument Butte State 6-36	SENW	36	8S	16E	Duchesne	3/27/96	3/27/96
WELL 1 COMMENTS: <i>Entity added 4-10-96. See Mon. Butte (GRRV D) Unit</i>											
A	99999	11897	43-013-31600	Monument Butte Federal 9-25	NESE	25	8S	16E	Duchesne	4/5/96	4/5/96
WELL 2 COMMENTS: <i>Entity added 4-10-96. See</i>											
A	99999	11898	43-013-31599	Monument Butte State 1A-36	NENE	36	8S	16E	Duchesne	3/25/96	3/25/96
WELL 3 COMMENTS: <i>Entity added 4-10-96. See</i>											
A	99999	11899	43-013-31597	Monument Butte Federal 16-25	SESE	25	8S	16E	Duchesne	4/1/96	4/1/96
WELL 4 COMMENTS: <i>Entity added 4-10-96. See</i>											
WELL 5 COMMENTS:											

- ACTION CODES (See Instructions on back of form)
- A - Establish new entity for new well (single well only)
  - D - Add new well to existing entity (group or unit well)
  - C - Re-assign well from one existing entity to another existing entity
  - B - Re-assign well from one existing entity to a new entity
  - E - Other (explain in comments section)

NOTE: Use COMMENTS section to explain why each Action Code was selected.

11/89

*Cheryl Cameron*  
Signature Cheryl Cameron  
RCS 4/8/96  
Title \_\_\_\_\_ Date \_\_\_\_\_  
Phone No. (801) 722-5103

15:34 No.003 P.02

Apr 08 96

TEL 801-722-5103

INLAND PRODUCTION CO.

The logo for Inland Production Co. features the word "Inland" in a stylized, cursive script. To the left of the text is a circular emblem containing a landscape scene with a mountain, a body of water, and a sun or moon.

April 8, 1996

State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
Three Triad Center Suite 350  
Salt Lake City Utah 84180-1203

**ATTENTION: Lisha Cordova**

RE: Monument Butte State #6-36  
Monument Butte Federal #9-25  
Monument Butte State #1A-36  
Monument Butte Federal #16-25

Dear Lisha,

I am faxing Entry Action Form - 6, for the new Entry No., on the above referenced location.

Please call me at your convenience, with the new numbers at (801) 722-5103.

Sincerely,

A handwritten signature in cursive script that reads "Cheryl Cameron".

Cheryl Cameron  
Regulatory Compliance Specialist

/cc  
Enclosures

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

## REPORT OF WATER ENCOUNTERED DURING DRILLING

1. Well name and number: Monument Butte Federal #16-25API number: 43-013-315972. Well Location: QQ SESE Section 25 Township 8S Range R16E County Duchesne3. Well operator: INLAND PRODUCTION COAddress: P O BOX 1446ROOSEVELT UT 84066Phone: (801) 722-51034. Drilling contractor: LEON ROSSAddress: P O BOX 757ROOSEVELT UT 84066Phone: (801) 722-4469

5. Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
25'		7 GPM	Wtr Analysis Taken

(Faxed to BLM on 4/1/96 - Attn: Wayne Bankert)

6. Formation tops: \_\_\_\_\_

I hereby certify that this report is true and complete to the best of my knowledge.

Date: 4/1/96Name & Signature: Cheryl CameronTitle: Regulatory Compliance Specialist



*April 15, 1996*

*Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, Utah 84078*

**ATTENTION: Wayne Bankert**

**RE: Monument Butte Federal #16-25  
SE/SE Sec. 25, T8S, R16E  
Duchesne County, Utah**

*Dear Wayne,*

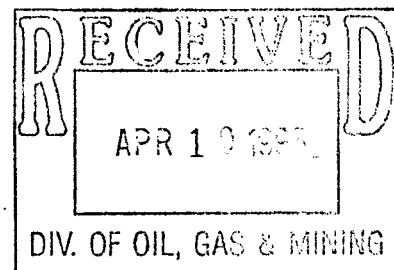
*Enclosed is the water analysis report for the "Report of Water Encountered During Drilling, for the above referenced location.*

*If additional information is needed, please contact me at (801) 722-5103, in the Roosevelt office.*

*Sincerely,*  
  
**Cheryl Cameron  
Regulatory Compliance Specialist**

**cc: Attn: ~~Frank Matthews~~  
State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
Salt Lake City, Utah 84180-1203**

*/cc  
Enclosures*





HALLIBURTON ENERGY SERVICES

Post Office Box 339 / Vernal, Utah 84078 / Telephone: 801-789-2550 / Fax: 801-789-2892

No. 1996-020

## Inland Resources

April 3, 1996

Water Analysis: General  
Well No.: Monument Butte Fed 16-25

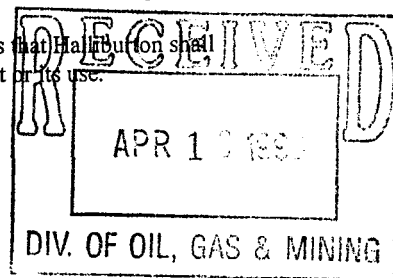
	Sample 4/1/96
S.G.	1.02
pH	7.4
Chlorides(mg/l)	3200
Bicarbonates(mg/l)	543
Carbonates(mg/l)	nil
Sulfate(mg/l)	<1500 (strong)
Calcium(mg/l)	140
Magnesium(mg/L)	53
Rw(millimho)	131

Respectfully submitted,

Jim Oriet  
Operations Engineer

This report is the property of Halliburton services and neither it nor any part thereof nor copy thereof is to be published or disclosed without first securing the express written approval of laboratory management; it may however, be used in the course of regular business operations by any person or concern and employees thereof receiving such report from Halliburton Services.

**NOTICE:** This report is limited to the described sample tested. Any user of this report agrees that Halliburton shall not be liable for any loss or damage, whether due to act or omission, resulting from such report or its use.





UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Inland Production Company

3. Address and Telephone No.

P.O. Box 1446 Roosevelt, UT 84066 (801) 722-5103

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SE/SE 572' FSL & 601' FEL  
Sec. 25, T8S, R16E

5. Lease Designation and Serial No.

U-67170

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Monument Butte FED. #16-25

9. API Well No.

43-013-31597

10. Field and Pool, or Exploratory Area

11. County or Parish, State

Duchesne County, UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Weekly Status

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Weekly Status Report for week of 4/22/96 - 4/27/96:

Drilled 7 7/8" hole from 303' - 6100' w/ Kenting Apollo, Rig #59.  
Run 6107.04' of 5 1/2" 15.5# LT&C csg. Cmt w/ 290 sx Hifill,  
330 sx Thixo w/ 10% CalSeal.

14. I hereby certify that the foregoing is true and correct

Cheryl Cameron  
Signed Cheryl Cameron

Title Regulatory Compliance Specialist Date 4/30/96

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_ Date \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Inland Production Company

3. Address and Telephone No.

P.O. Box 1446 Roosevelt, Utah 84066(8010722-5103

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SE/SE 572' FSL & 601' FEL  
Sec. 25, T8S, R16E

5. Lease Designation and Serial No.

U-67170

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Monument Butte Federal  
#16-25

9. API Well No.

43-013-31597

10. Field and Pool, or Exploratory Area

11. County or Parish, State

Duchesne County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Weekly Status

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

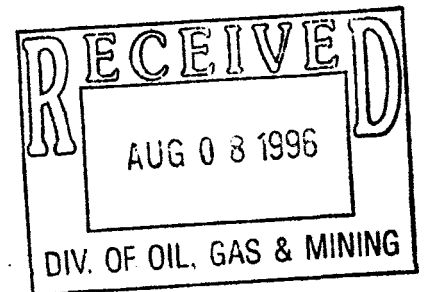
13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

**WEEKLY STATUS REPORT FOR WEEK OF 7/26/96 - 7/31/96:**

Perf C sd @ 5124'-5129'

Perf D-1 sd @ 4942'-4946'

Perf D-2 sd @ 5006'-5008', 5010'-5015', 5017'-5021'



14. I hereby certify that the foregoing is true and correct

Signed Cheryl Cameron

Title Regulatory Compliance Specialist

Date 8/2/96

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well  
☒ Oil Well ☐ Gas well ☐ Other

2. Name of Operator  
**Inland Production Company**

3. Address and Telephone No.  
**P.O. Box 1446 Roosevelt, Utah 84066 (801)722-5103**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**SE/SE 572' FSL & 601' FEL  
Sec. 25, T8S, R16E**

5. Lease Designation and Serial No.  
**U-67170**

6. If Indian, Allottee or Tribe Name

7. If unit or CA, Agreement Designation

8. Well Name and No.

**Mon. Butte Federal #16-25**

9. API Well No.  
**43-013-31597**

10. Field and Pool, or Exploratory Area  
**Monument Butte**

11. County or Parish, State  
**Duchesne County, Utah**

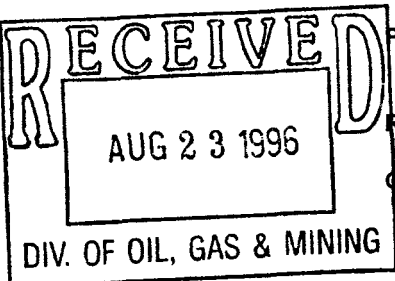
12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing repair	<input type="checkbox"/> Water Shut-off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other <u>Weekly Status</u>	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

**WEEKLY STATUS REPORT FOR WEEK OF 8/1/96 - 8/7/96:**



Perf GB-6 sd @ 4454'-4463', 4466'-4476',  
4478'-4488', 4490'-4492'

RIH w/ production string

ON PRODUCTION 8/7/96

14. I hereby certify that the foregoing is true and correct

Signed Cheryl Cameron  
**Cheryl Cameron**

Title **Regulatory Compliance Specialist**

Date **8/13/96**

(This space of Federal or State office use.)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

FORM APPROVED  
OMB NO. 1004-0137  
Expires: February 28, 1995

5. LEASE DESIGNATION AND SERIAL NO.

U-67170

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

Monument Butte Federal

9. API WELL NO.

#16-25 43-013-31597

10. FIELD AND POOL, OR WILDCAT

Monument Butte

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 25, T8S, R16E

12. COUNTY OR PARISH

Duchesne

13. STATE

Utah

1. TYPE OF WELL:

OIL WELL

☒

GAS WELL

☐

DRY

☐

Other

SEP 09 1996

DIV. OF OIL, GAS &amp; MINING

b. TYPE OF COMPLETION:

NEW WELL

☒

WORK OVER

☐

DEEP-EN

☐

PLUG BACK

☐

DIFF. ENVR.

☐

Other

2. NAME OF OPERATOR

Inland Production Company

3. ADDRESS AND TELEPHONE NO.

P.O. Box 1446 Roosevelt, Utah (801) 722-5103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface SE/SE

At top prod. interval reported below 572' FSL &amp; 601' FEL

At total depth

14. PERMIT NO.

UT080 6M036

DATE ISSUED

2/13/96

15. DATE SPUDDED

4/1/96

16. DATE T.D. REACHED

4/26/96

17. DATE COMPL. (Ready to prod.)\*

8/7/96

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

5302' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD &amp; TVD

6100'

21. PLUG, BACK T.D., MD &amp; TVD

6046'

22. IF MULTIPLE COMPL. HOW MANY\*

23. INTERVALS DRILLED BY

ROTARY TOOLS

☒

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* Green River

5124' - 5129', 5006' - 5008', 5010' - 5015', 5017' - 5021'

4454' - 4463', 4466' - 4476', 4478' - 4488', 4490' - 4492'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

CBL, DLL, CNL 9-9-96

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	296.04	12 1/4	120 sx Prem + w/ 2% CC, 2% Gel, 1/4#/sk flocele	
5 1/2	15.5#	6101.04 KB	7 7/8	290 sx Hifill & 330 sx Thixo w/ 10% Calseal	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

C sd @ 5124' - 5129'  
D-1 sd @ 4942' - 4946', D-2 sd @ 5006' - 5008'  
5010' - 5015', 5017' - 5021'  
GB-6 sd @ 4454' - 4463', 4466' - 4476,  
4478' - 4488', 4490' - 4492'

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
See Back of Form	

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
8/7/96		Pumping - 1 1/2" pump				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
14 Day Avg	8/96	N/A	→	98	87	4	.89
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
		→					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold &amp; used for fuel

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Logs in Item #26

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Cheryl Cameron

TITLE

Regulatory

Compliance Specialist

DATE 9/3/96

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38.

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Garden Gulch Mkr	4240'		#32.			
Point 3 Mkr	4518'					
X Marker	4757'		Perf C sd 5124' - 5129'			
Y Marker	4792'		Frac w/ 56,300# 20/40 sd in 338 bbls gel			
Douglas Ck Mkr	4921'					
Bicarbonate Mkr	5166'		Perf D-1 sd 4942' - 4946'			
B Limestone Mkr	5302'		D-2 sd 5006' - 5008', 5010' - 5015'			
Castle Peak	5790'		Frac w/ 96,000# 20/40 sd in 471 bbls gel			
			Perf GB-6 sd 4454' - 4463', 4466' - 4476'			
			4478' - 4488', 4490' - 4492'			
			Frac w/ 104,400# 20/40 sd in 478 bbls gel			

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**U-67170**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**NA**

8. Well Name and No.

**MONUMENT BUTTE FEDERAL 16-25**

9. API Well No.

**43-013-31597**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**0572 FSL 0601 FEL SE/SE Section 25, T08S R16E**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**TYPE OF SUBMISSION**

☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

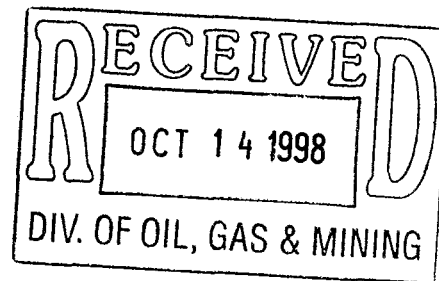
☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Site Security

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is direction-ally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Attached please find the site security diagram for the above referenced well.



14. I hereby certify that the foregoing is true and correct

Signed

Lebbie E. Knight

Title

Manager, Regulatory Compliance

Date

10/8/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

**CC: UTAH DOGM**

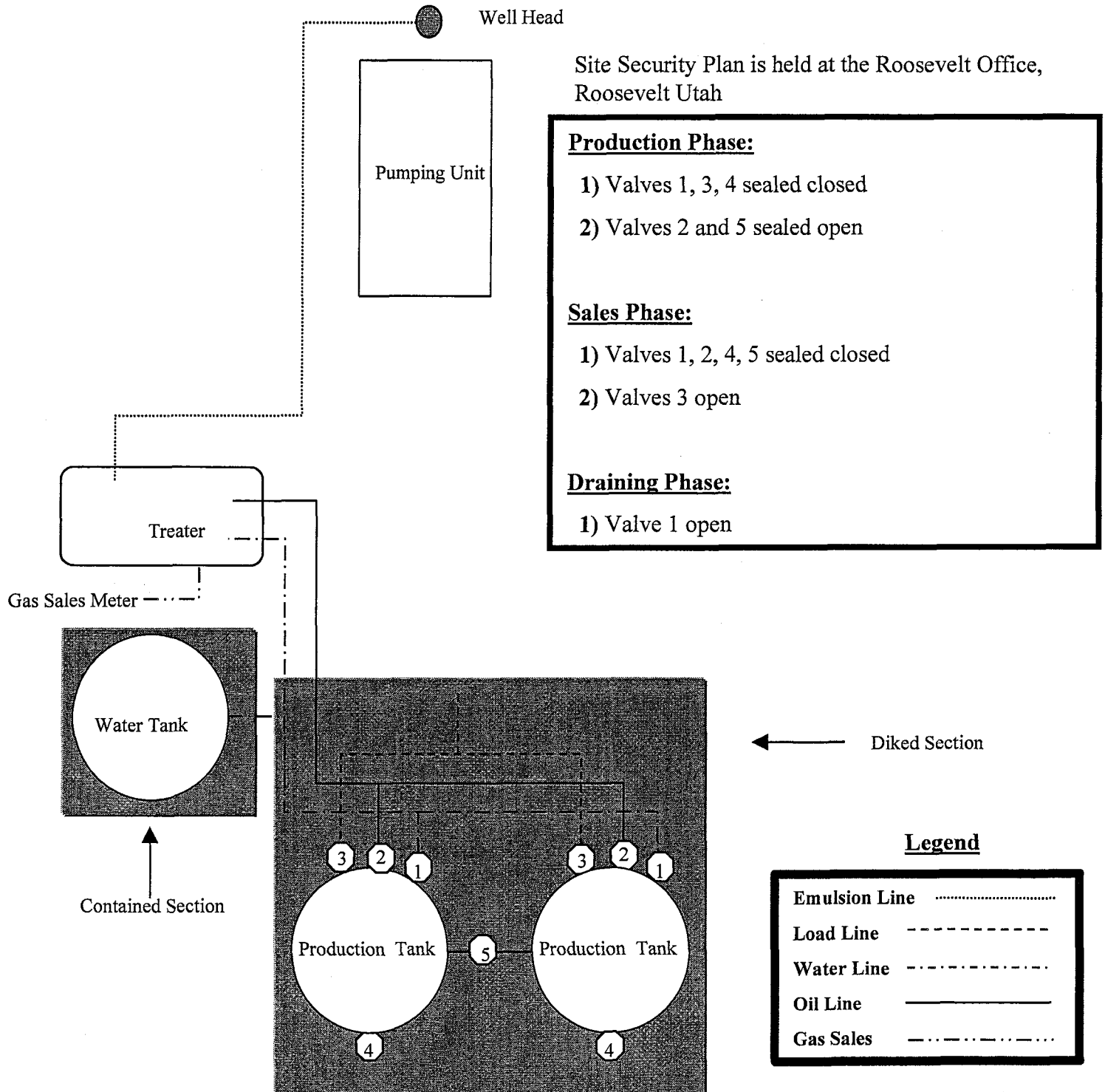
# Inland Production Company Site Facility Diagram

Monument Butte 16-25

SE/SE Sec. 25, T8S, 16E

Duchesne County

May 12, 1998





# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov>



IN REPLY REFER TO:

3106

(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare



UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		



## Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas  
SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer

## OPERATOR CHANGE WORKSHEET

## ROUTING

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change****Merger**

The operator of the well(s) listed below has changed, effective:

**9/1/2004****FROM: (Old Operator):**

N5160-Inland Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

**TO: ( New Operator):**

N2695-Newfield Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

**CA No.****Unit:****WELL(S)**

NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MONUMENT BUTTE FED NE 16-24	24	080S	160E	4301331629	11907	Federal	OW	S
MONUMENT BUTTE FED 14-24	24	080S	160E	4301331630	11930	Federal	OW	P
MONUMENT BUTTE FED NE 11-24	24	080S	160E	4301331633	99998	Federal	D	PA
MONUMENT BUTTE FED 6-25	25	080S	160E	4301331596	11882	Federal	OW	P
MONUMENT BUTTE FED 16-25	25	080S	160E	4301331597	11899	Federal	OW	P
MONUMENT BUTTE FED 8-25	25	080S	160E	4301331601	11881	Federal	OW	P
MONUMENT BUTTE FED 2-25	25	080S	160E	4301331604	11887	Federal	OW	P
MONUMENT BUTTE ST 8-36	36	080S	160E	4301331598	11879	State	OW	P
MONUMENT BUTTE ST 15-2	02	090S	160E	4301331567	99998	State	OW	LA
MON FED 32-10-9-17Y	10	090S	170E	4301331592	11909	Federal	D	PA
MON FED 11-11-9-17Y	11	090S	170E	4301331593	11904	Federal	OW	S
S PLEASANT VALLEY FED 9-19	19	090S	170E	4301331610	11978	Federal	D	PA
MON FED 21-23-9-17Y	23	090S	170E	4301331624	11894	Federal	D	PA

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

#### DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005  
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005  
3. Bond information entered in RBDMS on: 2/28/2005  
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005  
5. Injection Projects to new operator in RBDMS on: 2/28/2005  
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

#### FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

#### INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

#### FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919

2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

#### LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

#### COMMENTS:

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

NEWFIELD PRODUCTION COMPANY  
RT. 3 BOX 3630  
MYTON, UT 84052

ENTITY ACTION FORM  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

OPERATOR ACCT NO: N2695

ACTIN CODE	CRRNT ENTITY	NEW ENTITY	API NUMBER	WELL	QQ	SEC	TWN	RNG	REASON	EFFECTIVE
D	14648	15150	4301332359	FEDERAL 9-24-8-16	NENSE	24	8S	16E	Monument Butte North East EOR	1/1/2006
D	99998	15150	4301331633	MONUMENT BUTTE FED NE 11-24	NESW	24	8S	16E	Monument Butte North East EOR	1/1/2006
D	12293	15150	4301331990	MBFNE 11-24-8-16	NESW	24	8S	16E	Monument Butte North East EOR	1/1/2006
D	14611	15150	4301332366	FEDERAL 10-24-8-16	NWSE	24	8S	16E	Monument Butte North East EOR	1/1/2006
D	12244	15150	4301331923	MBFNE 12-24	NWSW	24	8S	16E	Monument Butte North East EOR	1/1/2006
D	11907	15150	4301331629	MONUMENT BUTTE FED NE 16-24	SESE	24	8S	16E	Monument Butte North East EOR	1/1/2006
D	11930	15150	4301331630	MONUMENT BUTTE FED 14-24	SESW	24	8S	16E	Monument Butte North East EOR	1/1/2006
D	11912	15150	4301331628	MON BUTTE FED NE 15-24	SWSE	24	8S	16E	Monument Butte North East EOR	1/1/2006
D	11984	15150	4301331653	MON BUTTE FED NE 13-24	SWSW	24	8S	16E	Monument Butte North East EOR	1/1/2006
D	11884	15150	4301331608	MON BUTTE FED 1-25(I)	NENE	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11881	15150	4301331601	MONUMENT BUTTE FED 8-25	SENE	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11887	15150	4301331604	MONUMENT BUTTE FED 2-25	NWNE	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11873	15150	4301331561	MON BUTTE FED 7-25	SWNE	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11882	15150	4301331596	MONUMENT BUTTE FED 6-25	SENE	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11922	15150	4301331605	MON BUTTE FED 3-25	NENW	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11897	15150	4301331600	MON BUTTE FED 9-25	NESE	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11874	15150	4301331562	MONUMENT BUTTE FED 10-25	NWSE	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11899	15150	4301331597	MONUMENT BUTTE FED 16-25	SESE	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11847	15150	4301331559	MON BUTTE FED 15-25	SWSE	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11840	15150	4301331554	MONUMENT BUTTE FED 12-25	NWSW	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11841	15150	4301331553	MON BUTTE FED 11-25	NESW	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11805	15150	4301331531	MONUMENT BUTTE FED 14-25	SESW	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11786	15150	4301331513	MON BUTTE FED 13-25	SWSW	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11900	15150	4301331502	MON BUTTE FED 15-26	SWSE	26	8S	16E	Monument Butte North East EOR	1/1/2006
D	11814	15150	4301331517	MONUMENT BUTTE FED 16-26	SESE	26	8S	16E	Monument Butte North East EOR	1/1/2006

new entity assigned 1/31/06  
ER, DOGM

RECEIVED

JAN 25 2006

DIV. OF OIL, GAS & MINING

KIM KETTLE  
PRODUCTION CLERK 1/25/2006



February 15, 2008

Mr. Dan Jarvis  
State of Utah  
Division of Oil, Gas and Mining  
Post Office Box 145801  
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well  
Monument Butte Federal 16-25-8-16  
Monument Butte, Lease #U-67170  
Section 25-Township 8S-Range 16E  
Duchesne County, Utah

Dear Mr. Jarvis:

Newfield Production Company herein requests approval to convert the Monument Butte Federal 16-25-8-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric Sundberg". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Eric Sundberg  
Regulatory Analyst

**RECEIVED**  
**MAR 07 2008**  
**DIV. OF OIL, GAS & MINING**

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**MONUMENT BUTTE FEDERAL #16-25-8-16**

**MONUMENT BUTTE FEDERAL**

**LEASE #U-67170**

**February 15, 2008**

**RECEIVED**  
**MAR 07 2008**  
**DIV. OF OIL, GAS & MINING**



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STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Newfield Production Company  
ADDRESS 1401 17th Street, Suite 1000  
Denver, Colorado 80202

Well Name and number: Monument Butte 16-25-8-16  
Field or Unit name: Monument Butte (Green River), South Wells Draw Lease No. U-67170  
Well Location: QQ SE/SE section 25 township 8S range 16E county Duchesne

Is this application for expansion of an existing project? ..... Yes ☒ No ☐

Will the proposed well be used for:                      Enhanced Recovery? ..... Yes ☒ No ☐  
   Disposal? ..... Yes ☐ No ☒  
   Storage? ..... Yes ☐ No ☒

Is this application for a new well to be drilled? ..... Yes ☐ No ☒

If this application is for an existing well,  
has a casing test been performed on the well? ..... Yes ☐ No ☒

Date of test: \_\_\_\_\_


API number: 43-013-31597

Proposed injection interval:                      from 4518 to 5166  
Proposed maximum injection:                      rate 500 bpd pressure 2167 psig  
Proposed injection zone contains [x] oil, [ ] gas, and/or [ ] fresh water within 1/2  
mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should  
accompany this form.

List of Attachments: Attachments "A" through "H-1"

I certify that this report is true and complete to the best of my knowledge.

Name: Eric Sundberg Signature   
Title: Regulatory Analyst Date 3/5/88  
Phone No. (303) 893-0102

(State use only)  
Application approved by \_\_\_\_\_ Title \_\_\_\_\_  
Approval Date \_\_\_\_\_

Comments:

# Monument Butte Fed. #16-25-8-16

Spud Date: 4/22/96  
Put on Production: 8/7/96  
GL: 5302' KB: 5315'

Initial Production: 98 BOPD,  
87 MCFD, 4 BWPD

## Proposed Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (298.64')  
DEPTH LANDED: 296.04' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 120 sxs Premium cement.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 144 jts. (6107.04')  
DEPTH LANDED: 6101.04'  
HOLE SIZE: 7 7/8"  
CEMENT DATA: 290 sxs Hifill & 330 sxs Thixotropic.  
CEMENT TOP AT: Surface per CBL

### TUBING

SIZE/GRADE/WT: 2 7/8" / J-55 / 6.5#  
NO. OF JOINTS: 163 jts (5063.02')  
TUBING ANCHOR: 5076.02' KB  
NO. OF JOINTS: 2 jts (64.28')  
SEATING NIPPLE: 2-7/8" (1.05')  
SN LANDED AT: 5143.11' KB  
NO. OF JOINTS: 3 jts (89.90')  
TOTAL STRING LENGTH: EOT @ 5234.56' KB

### FRAC JOB

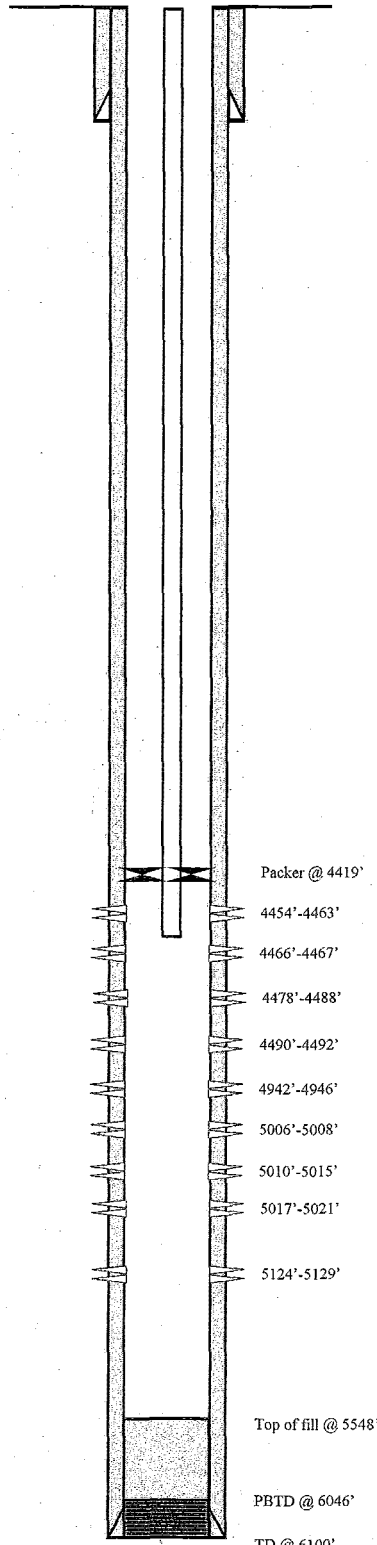
7/29/96	5124'-5129'	<b>Frac C sands as follows:</b> 56,300# 20/40 sand in 338 Bbls Boragel. Treated @ avg rate of 20 BPM w/ avg press of 2600 psi. ISIP: 3282 psi. Calc flush: 5121 gal. Actual flush: 5035 gal.
7/31/96	4942'-5021'	<b>Frac D1 &amp; D2 sands as follows:</b> 96,000# 20/40 sand in 471 Bbls of Boragel. Treated @ avg rate of 21 Bpm w/ avg press of 2250. ISIP: 3395 psi. Calc flush: 4940 gal. Actual flush: 4855 gal.
8/2/96	4454'-4492'	<b>Frac GB6 sands as follows:</b> 104,400# 20/40 sand in 478 Bbls Boragel. Treated @ avg rate of 18.3 Bpm w/ avg press of 1550 psi. ISIP: 2196 psi. Calc flush: 4452 gal. Actual flush: 4377 gal.
7/18/03		Tubing leak. Update rod and tubing detail

### PERFORATION RECORD

7/27/96	5124'-5129'	4 JSPF	20 holes
7/30/96	4942'-4946'	4 JSPF	16 holes
7/30/96	5006'-5008'	4 JSPF	8 holes
7/30/96	5010'-5015'	4 JSPF	20 holes
7/30/96	5017'-5021'	4 JSPF	16 holes
8/1/96	4454'-4463'	4 JSPF	36 holes
8/1/96	4466'-4476'	4 JSPF	40 holes
8/1/96	4478'-4488'	4 JSPF	40 holes
8/1/96	4490'-4492'	4 JSPF	8 holes



Monument Butte Fed. #16-25-8-16  
572' FSL & 601' FEL  
SE/SE Section 25-T8S-R16E  
Duchesne Co, Utah  
API #43-013-31597; Lease #U-67170



## WORK PROCEDURE FOR INJECTION CONVERSION

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS**  
**RULE R615-5-1**

1. **Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
2. **A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

**2.1 The name and address of the operator of the project.**

Newfield Production Company  
1401 17<sup>th</sup> Street, Suite 1000  
Denver, Colorado 80202

**2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A.

**2.3 A full description of the particular operation for approval is requested.**

Approval is requested to convert the Monument Butte Federal #16-25-8-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

**2.4 A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.

**2.5 The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Green River Formation. For the Monument Butte Federal #16-25-8-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (4518' -5166'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 4240' and the TD is at 6100'.

**2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the Monument Butte Federal #16-25-8-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a State lease (Lease #U-67170) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,  
STORAGE AND ENHANCED RECOVERY WELLS  
SECTION V – RULE R615-5-2**

1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.
2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:

- 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.

See Attachments A and B.

- 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.

All logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

- 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.

The casing program is 8-5/8", 24#, J-55 surface casing run to 296' KB, and 5-1/2" 15.5# J-55 casing run from surface to 6101' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

- 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

- 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.

See Attachment F.

**The proposed average and maximum injection pressures.**

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 2167 psig.

- 2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.**

The minimum fracture gradient for the Monument Butte Federal #16-25-8-16, for existing perforations (4454' - 5129') calculates at 0.93 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 2167 psig. We may add additional perforations between 4518' and 6100'. See Attachments G and G-1.

- 2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.**

In the Monument Butte Federal #16-25-8-16, the proposed injection zone (4518' - 5166') is in the Garden Gulch to Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

- 2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.**

See Attachments E through E-10.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

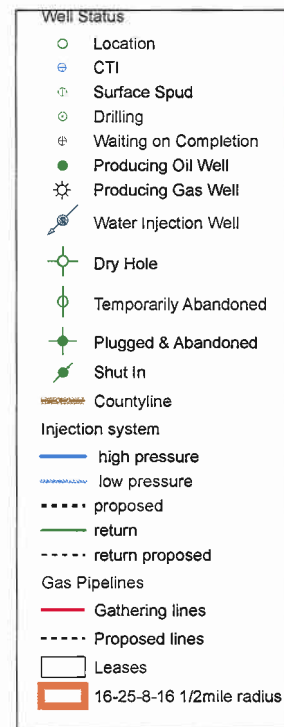
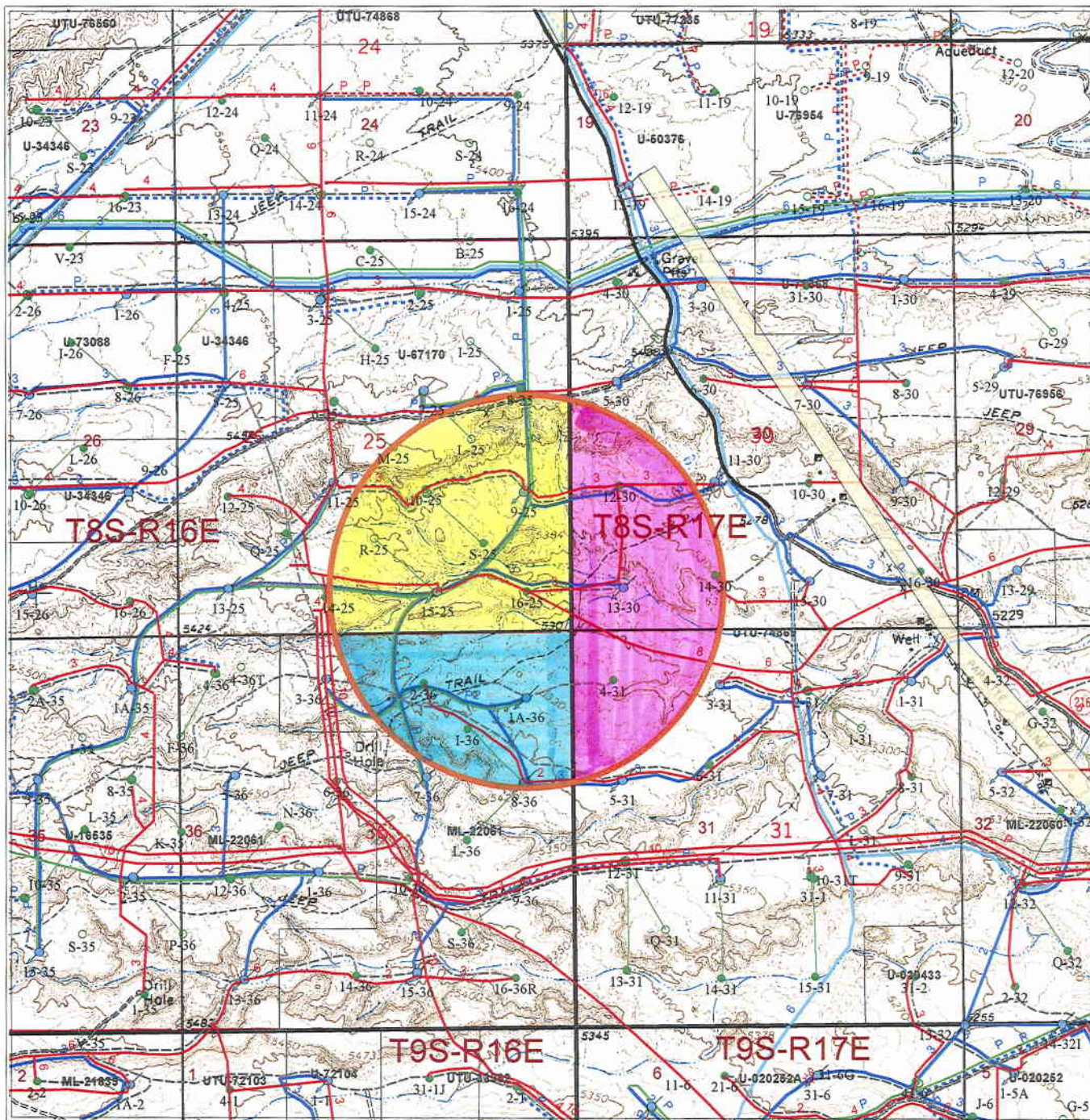
- 2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**

See Attachment C.

- 2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.**

Newfield Production Company will supply any requested information to the Board or Division.





U-67170  
ML-22061  
U-74869

Attachment A

Monument Butte Fed 16-25-8-16  
Section 25, T8S-R16E

**NEWFIELD**  
ROCKY MOUNTAINS

1" = 2000'

**1/2 Mile Radius Map**  
Duchesne County

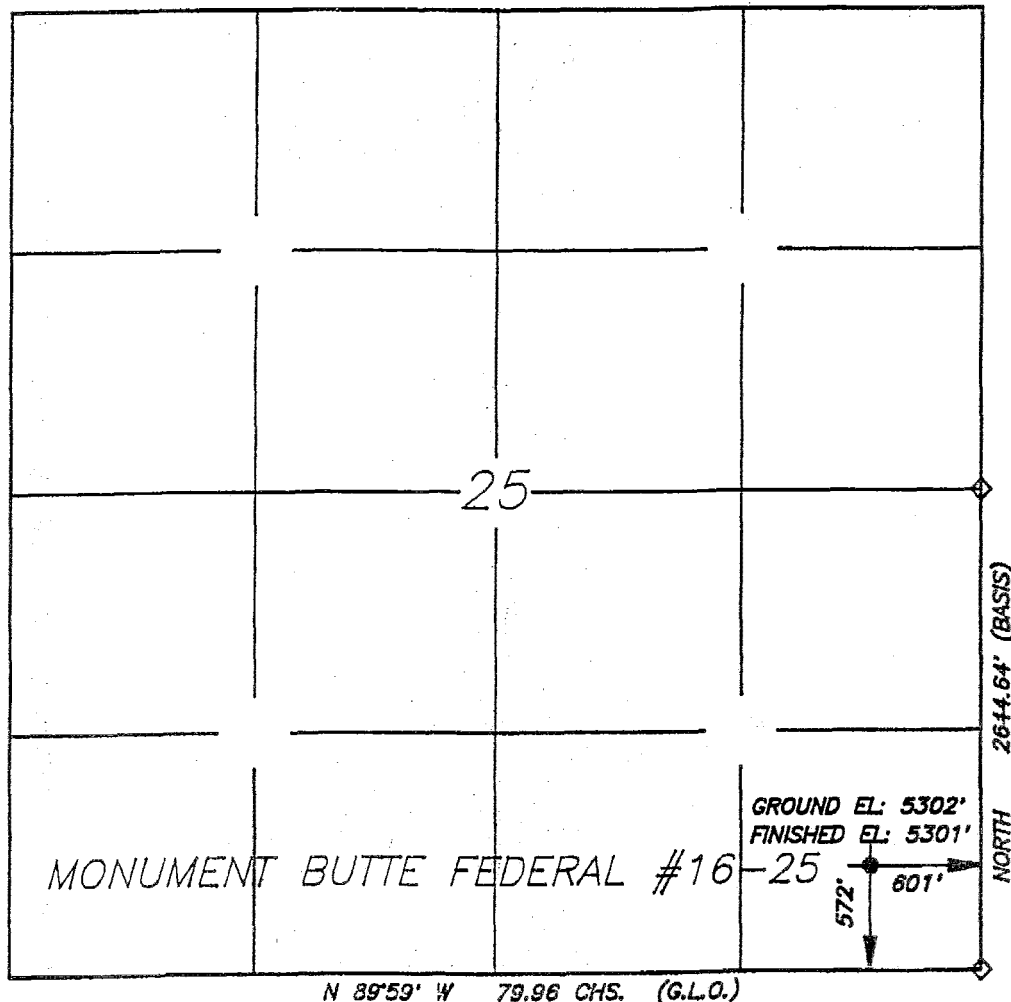
Alamo Plaza Building  
1401 17th Street Suite 1000  
Denver, Colorado 80202-1247  
Phone: (303) 893-0102

February 6, 2008



LOMAX EXPLORATION CO.  
WELL LOCATION PLAT  
MONUMENT BUTTE FEDERAL #16-25

LOCATED IN THE SE1/4 OF THE SE1/4  
SECTION 25, T8S, R16E, S.L.B.&M.



A Hatched  
A-1



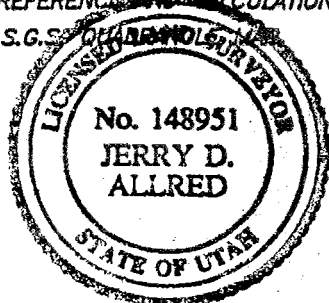
SCALE: 1" = 1000'

MONUMENT BUTTE FEDERAL #16-25

LEGEND AND NOTES

- ◇ ORIGINAL CORNER MONUMENTS FOUND AND USED BY THIS SURVEY.

THE GENERAL LAND OFFICE (G.L.O.) PLAT WAS USED FOR REFERENCE AND CALCULATIONS, AS WAS THE U.S.G.S. CHARTERED SURVEYOR



SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY PERFORMED BY ME, DURING WHICH THE SHOWN MONUMENTS WERE FOUND OR ESTABLISHED.

*Jerry D. Allred*  
JERRY D. ALLRED, REGISTERED LAND SURVEYOR,  
CERTIFICATE NO. 148951 (UTAH)

2 DECEMBER 1995

84-121-042

	<b>JERRY D. ALLRED &amp; ASSOCIATES</b> SURVEYING CONSULTANTS 121 NORTH CENTER STREET P.O. BOX 975 DUCHESTER, UTAH 84021 (801)-738-5352
--	--

## EXHIBIT B

Page 1

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1	Township 8 South, Range 16 East Section 24: S2, less that part of Doris #3 Mining claim Section 25: NE, E2NW, S2 Section 26: S2SE	U-67170 HBP	Newfield Production Company	(Surface Rights) USA
2	Township 8 South, Range 16 East Section 36: ALL	ML-22061 HBP	Newfield Production Company Davis Bros LLC Beverly Sommer Davis Resources Texas General Offshore Inc. International Drilling Services Raymond H. Brennan Marian Brennan Deer Valley LTD. AGK Energy LLC. Jasper Warren Thomas I. Jackson	(Surface Rights) St. of Utah
3	Township 8 South, Range 16 East Section 29: Lot 1 Section 30: Lots 1-14, E2NE, E2SW, SWSE Section 31: Lots 1-5, W2E2, SENE, E2W2, NESE	U-74869 HBP	Newfield Production Company	(Surface Rights) USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Monument Butte Federal #16-25-8-16

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: \_\_\_\_\_

*Eric Sundberg*  
Newfield Production Company  
Eric Sundberg  
Regulatory Analyst

Sworn to and subscribed before me this 5<sup>th</sup> day of March, 2008.

Notary Public in and for the State of Colorado: \_\_\_\_\_

*Fannie Bessan*

My Commission Expires: \_\_\_\_\_

05/05/2009

A Hadment, E

# Monument Butte Fed. #16-25-8-16

Spud Date: 4/22/96  
Put on Production: 8/7/96  
GL: 5302' KB: 5315'

Initial Production: 98 BOPD,  
87 MCFD, 4 BWPD

Wellbore Diagram

## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (298.64')  
DEPTH LANDED: 296.04' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 120 sxs Premium cement.

## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 144 jts (6107.04')  
DEPTH LANDED: 6101.04'  
HOLE SIZE: 7 7/8"  
CEMENT DATA: 290 sxs Hifill & 330 sxs Thixotropic.  
CEMENT TOP AT: Surface per CBL

## TUBING

SIZE/GRADE/WT: 2 7/8" / J-55 / 6.5#  
NO. OF JOINTS: 163 jts (5063.02')  
TUBING ANCHOR: 5076.02' KB  
NO. OF JOINTS: 2 jts (64.28')  
SEATING NIPPLE: 2-7/8" (1.05')  
SN LANDED AT: 5143.11' KB  
NO. OF JOINTS: 3 jts (89.90')  
TOTAL STRING LENGTH: EOT @ 5234.56' KB

## SUCKER RODS

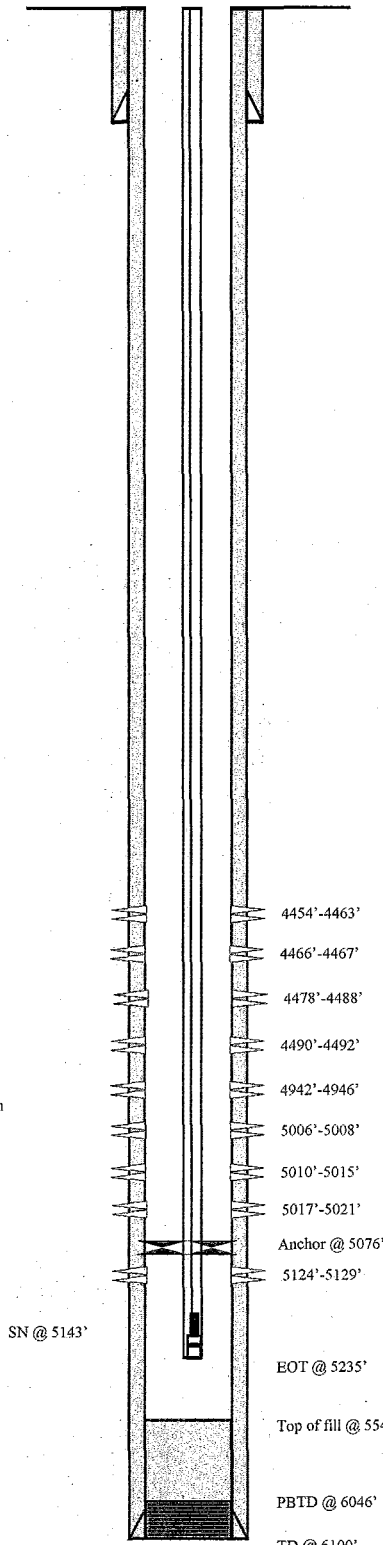
POLISHED ROD: 1 1/2" x 22' SM  
SUCKER RODS: 8-1" scraped rods, 10-3/4" scraped rods, 76-3/4" plain rods, 110-3/4" scraped rods, 2", 4' x 3/4" pony rods.  
PUMP SIZE: 2 1/2" x 1 1/2" x 16' RHAC  
STROKE LENGTH: 74"  
PUMP SPEED, SPM: 6 SPM  
LOGS: DIGL/SP/GR/CAL

## FRAC JOB

7/29/96	5124'-5129'	<b>Frac C sands as follows:</b> 56,300# 20/40 sand in 338 Bbls Boragel. Treated @ avg rate of 20 BPM w/ avg press of 2600 psi. ISIP: 3282 psi. Calc flush: 5121 gal. Actual flush: 5035 gal.
7/31/96	4942'-5021'	<b>Frac D1 &amp; D2 sands as follows:</b> 96,000# 20/40 sand in 471 Bbls of Boragel. Treated @ avg rate of 21 Bpm w/ avg press of 2250 psi. ISIP: 3395 psi. Calc flush: 4940 gal. Actual flush: 4855 gal.
8/2/96	4454'-4492'	<b>Frac GB6 sands as follows:</b> 104,400# 20/40 sand in 478 Bbls Boragel. Treated @ avg rate of 18.3 Bpm w/ avg press of 1550 psi. ISIP: 2196 psi. Calc flush: 4452 gal. Actual flush: 4377 gal.
7/18/03		Tubing leak. Update rod and tubing detail

## PERFORATION RECORD

7/27/96	5124'-5129'	4 JSPF	20 holes
7/30/96	4942'-4946'	4 JSPF	16 holes
7/30/96	5006'-5008'	4 JSPF	8 holes
7/30/96	5010'-5015'	4 JSPF	20 holes
7/30/96	5017'-5021'	4 JSPF	16 holes
8/1/96	4454'-4463'	4 JSPF	36 holes
8/1/96	4466'-4476'	4 JSPF	40 holes
8/1/96	4478'-4488'	4 JSPF	40 holes
8/1/96	4490'-4492'	4 JSPF	8 holes



Monument Butte Fed. #16-25-8-16  
572' FSL & 601' FEL  
SE/SE Section 25-T8S-R16E  
Duchesne Co, Utah  
API #43-013-31597; Lease #U-67170

Attam. 6-1

# Monument Butte NE M-25-8-16

Spud Date: 11-3-06  
Put on Production: 12-26-06

Initial Production: BOPD,  
MCFD, BWPD

GL: 5465' KB: 5477'

Wellbore Diagram

## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (310.67')  
DEPTH LANDED: 322.52' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 150 jts (6600.17')  
DEPTH LANDED: 6613.42' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 350 sxs Prem. Lite II mixed & 475 sxs 50/50 POZ.  
CEMENT TOP AT: 140'

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 199 jts (6273.64')  
TUBING ANCHOR: 6285.64' KB  
NO. OF JOINTS: 1 jts (31.53')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 6319.97' KB  
NO. OF JOINTS: 2 jts (62.89')  
TOTAL STRING LENGTH: EOT @ 6384.41' KB

## SUCKER RODS

POLISHED ROD: 1-1/2" x 25' SM  
SUCKER RODS: 1-2" x 7/8" pony rods, 248- 7/8" guided rods, 4-1 1/2" weight rods.  
PUMP SIZE: 2-1/2" x 1-3/4" x 20" RHAC w/SM plunger  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 5 SPM

## FRAC JOB

12-14-06 6299-6308' Frac CP4 sands as follows:  
25258# 20/40 sand in 374 bbls Lightning 17  
frac fluid. Treated @ avg press of 2342 psi  
w/avg rate of 21 BPM. ISIP 2387 psi. Calc  
flush: 6297 gal. Actual flush: 5792 gal.

12-14-06 5934-5962' Frac LODC sands as follows:  
120945# 20/40 sand in 863 bbls Lightning 17  
frac fluid. Treated @ avg press of 2169 psi  
w/avg rate of 24.1 BPM. ISIP 2610 psi. Calc  
flush: 5932 gal. Actual flush: 5427 gal.

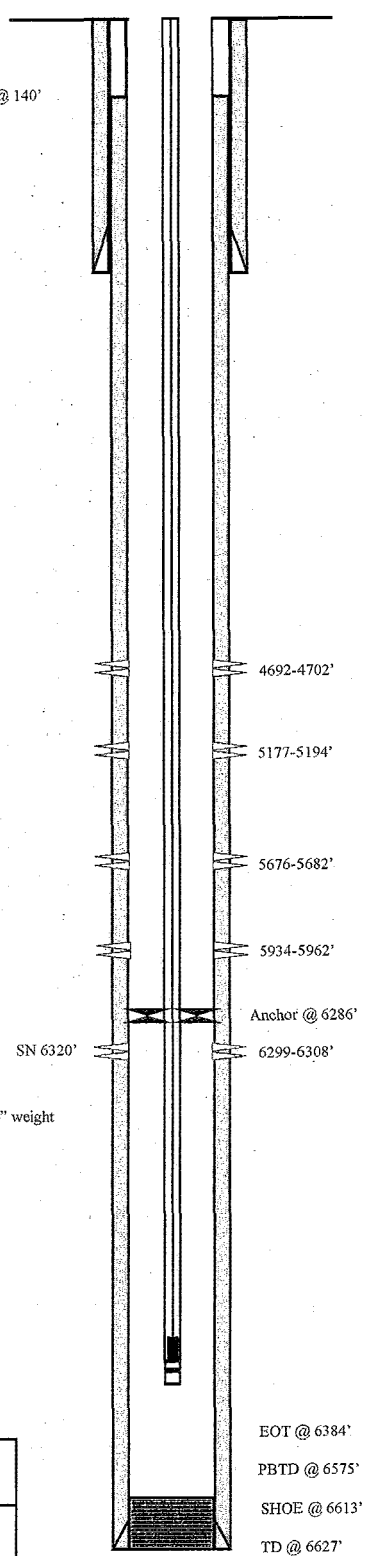
12-14-06 5676-5682' Frac A1 sands as follows:  
19921# 20/40 sand in 313 bbls Lightning 17  
frac fluid. Treated @ avg press of 2455 psi  
w/avg rate of 24.4 BPM. ISIP 2420 psi. Calc  
flush: 5674 gal. Actual flush: 5166 gal.

12-14-06 5177-5194' Frac D1 sands as follows:  
50074# 20/40 sand in 434 bbls Lightning 17  
frac fluid. Treated @ avg press of 22.3 w/  
avg rate of 24.5 BPM. ISIP 2160 psi. Calc  
flush: 5175 gal. Actual flush: 4662 gal.

12-14-06 4692-4702' Frac GB6 sands as follows:  
27874# 20/40 sand in 332 bbls Lightning 17  
frac fluid. Treated @ avg press of 2224 w/  
avg rate of 27.9 BPM. ISIP 2140 psi. Calc  
flush: 4690 gal. Actual flush: 4578 gal.

## PERFORATION RECORD

Date	Interval	Tool	Holes
11-21-06	6299-6308'	4 JSPF	36 holes
12-14-06	5934-5962'	4 JSPF	112 holes
12-14-06	5676-5682'	4 JSPF	24 holes
12-14-06	5177-5194'	4 JSPF	68 holes
12-14-06	4692-4702'	4 JSPF	40 holes



**NEWFIELD**

**Monument Butte NE M-25-8-16**

246' FNL & 2108' FWL

SE/SE Section 25-T8S-R16E

Duchesne Co, Utah

API # 43-013-33251; Lease # UTU-67170

# Monument Butte Federal #10-25

Spud Date: 2/6/96

Put on Production: 3/9/96

GL: 5361' KB: 5373'

## SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: ? jts. (305.91')

DEPTH LANDED: 305'

HOLE SIZE: 12-1/4"

CEMENT DATA: 120 sxs Premium cmt, est 5 bbls cmt to surf

## PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 145 jts. (6197')

DEPTH LANDED: 6198'

HOLE SIZE: 7-7/8"

CEMENT DATA: 290 sk Hyfill mixed & 345 sxs thixotropic

CEMENT TOP AT: Surface per CBL

## TUBING

SIZE/GRADE/WT.: 2-7/8" / WC-50 / 6.5#

NO. OF JOINTS: 197 jts (5948.78')

TUBING ANCHOR: 5961.78'

NO. OF JOINTS: 1 jts (31.72')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 5996.30'

NO. OF JOINTS: 1 jts (31.50')

TOTAL STRING LENGTH: (6029.35')

## SUCKER RODS

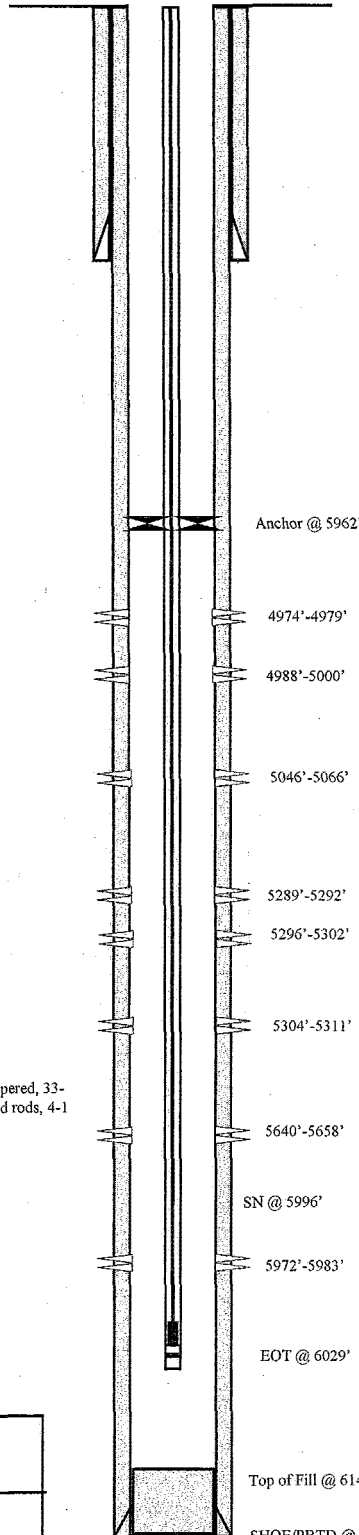
POLISHED ROD: 1-1/2" x 22' SM

SUCKER RODS: 1-2', 1-4', 1-6', 1-8' x 3/4" polish rods, 97-3/4" scraped, 33-3/4" plain rods, 3-3/4" scraped, 82-3/4" plain rods, 14-3/4" scraped rods, 4-1 1/2 wt bars, 2 1/2" x 1 1/2" x 12' x 16' RHAC pump

STROKE LENGTH: 82"

PUMP SPEED, SPM: 6

## Wellbore Diagram



Initial Production: 136 BOPD, 191 MCFD,  
4 BWPD

## FRAC JOB

2/29/96	5972'-5983'	Frac CP sand as follows: 63,300# of 20/40 sd in 529 bbls of Boragel, avg rate 24.8 bpm, avg press 2250 psi. ISIP 2309 psi, 5-min 2112, 10-min 1981. Flowback @ 1 bpm on 12/64" ck.
3/2/96	5640'-5658'	Frac LDC sand as follows: 77,000# 20/40 sd in 550 bbls of Boragel. Brokedown @ 2938 psi, pre frac ISIP @ 2590 psi. Treat @ avg rate 21.6 bpm @ 3050 psi, avg ISIP 3892 psi, 5-min 3683, 10-min 3459. Flowback @ 1 bpm for 3 hrs & died.
3/4/96	5289'-5311'	Frac B-2 sand as follows: 77,000# 20/40 sd in 557 bbls of Boragel. Break down @ 2671, pre frac ISIP @ 1665. Treat @ avg rate 24.8 bpm, avg press 1800 psi. ISIP 2107, 5-min 2074, 10-min 2029. Flowback @ 1 bpm on 12/64" ck.
3/6/96	4974'-5056'	Frac D-1 and D-2 sand as follows: 99,500# 20/40 sd in 640 bbls of Boragel. Breakdown @ 1733, pre frac ISIP @ 1160. Treated @ avg rate 35 bpm, avg press 1770 psi. ISIP 2428 psi, 5-min 2288, 10-min 2217. Flowback @ 1 bpm on 12/64" ck.
10/13/98		Bad Pump
3/12/01		Bad Pump
10/26/04		Parted Rods. Updated rod and tubing details.
03/10/06		Parted Rods. Update rod and tubing details.
09/18/06		Tubing leak: Updated rod and tubing details.

## PERFORATION RECORD

2/28/96	5972'-5983'	4 JSPF	40 holes
3/1/96	5640'-5658'	4 JSPF	68 holes
3/3/96	5289'-5292'	4 JSPF	12 holes
3/3/96	5296'-5302'	4 JSPF	24 holes
3/3/96	5304'-5311'	4 JSPF	28 holes
3/5/96	4974'-4979'	4 JSPF	20 holes
3/5/96	4988'-5000'	4 JSPF	44 holes
3/5/96	5046'-5056'	4 JSPF	40 holes

**NEWFIELD**

**Monument Butte Federal #10-25-8-16**  
1967 FSL 1942 FEL  
NWSE Section 25-T8S-R16E  
Duchesne Co, Utah  
API #43-013-31562; Lease #U-67170

Attch. E-3

# Monument Butte Federal #9-25-8-16

Spud Date: 4/28/96

P

ut on Injection: 2/7/97 GL:

5327' KB: 5340'  
SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 291.67'

DEPTH LANDED: 290'

HOLE SIZE: 12-1/4"

CEMENT DATA: 120 sxs Premium cmt, est 5 bbls to surf.

## PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 144 jts. (6124.47')

DEPTH LANDED: 6090'

HOLE SIZE: 7-7/8"

CEMENT DATA: 280 sks Hyfill mixed & 360 sks thixotropic

CEMENT TOP AT: Surface per CBL

## TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#

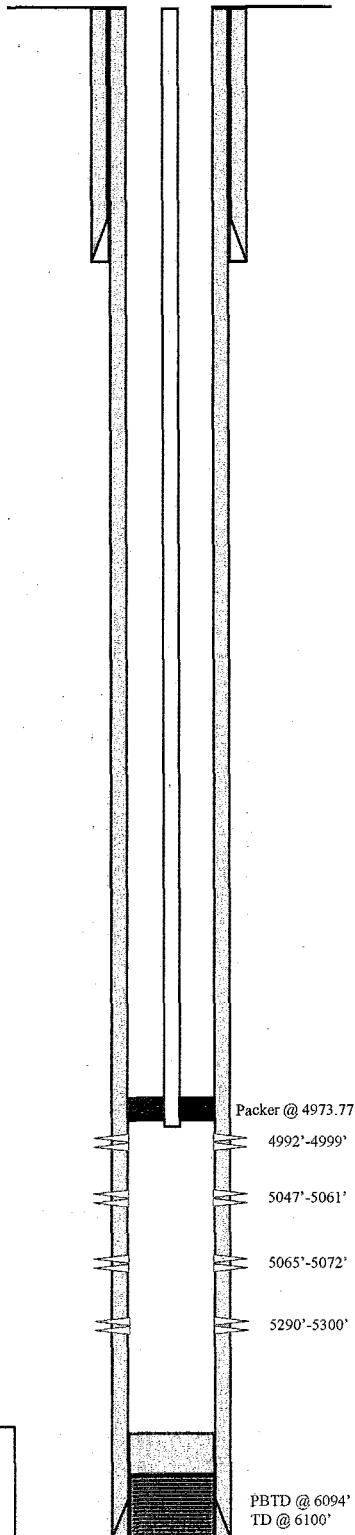
NO. OF JOINTS: 159 jts

SN LANDED AT: ~4970'

PACKER: 4973.77'

TOTAL STRING LENGTH: EOT @ 4975.77'

## Injection Diagram



Initial Production: 95 BOPD,  
33 MCFPD, 1 BWPD

## FRAC JOB

5/14/96 5290'-5300'

**Frac B-1 sand as follows:**  
60,100 20/40 sd in 412 bbls Boragel  
frmtn. Brokedown @ 2876#, avg TP  
2250 @ 18.5 bpm. ISIP-2312 psi, 5-min  
2176 psi. Flow well back on 16/64" ck @  
1.5 bpm.

5/16/96 4992'-5072'

**Frac D-1 & D-2 sands as follows:**  
78,500# of 20/40 sd in 477 bbls Boragel.  
Breakdown @ 2005# treated w/avg rate  
of 18.7 bpm @ 1800 psi. ISIP-2234 psi,  
5-min SI 2124 psi. Start flowback on  
16/64" ck @ 1.8 bpm.

1/17/02

5-year MIT. Held 1000# for 40 min.

12/26/06

5 Year MIT completed and submitted.

## PERFORATION RECORD

5/13/96	5290'-5300'	4 JSPF	40 holes
5/15/96	4992'-4999'	4 JSPF	28 holes
5/15/96	5047'-5061'	4 JSPF	52 holes
5/15/96	5065'-5072'	4 JSPF	28 holes



**Monument Butte Federal #9-25-8-16**  
1913 FSL & 624 FEL  
NESE Section 26-T8S-R16E  
Duchesne Co, Utah  
API #43-013-31600; Lease #U-67170



Altam. E-4

# MBNE Federal S-25-8-16

Spud Date: 10-30-06  
Put on Production: 1-23-07

GL: 5360' KB: 5372'

## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (310.64')  
DEPTH LANDED: 322.49' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 147 jts (6459.42')  
DEPTH LANDED: 6472.67' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 350 sxs Prem. Lite II mixed & 475 sxs 50/50 POZ.  
CEMENT TOP AT: 100'

## TUBING

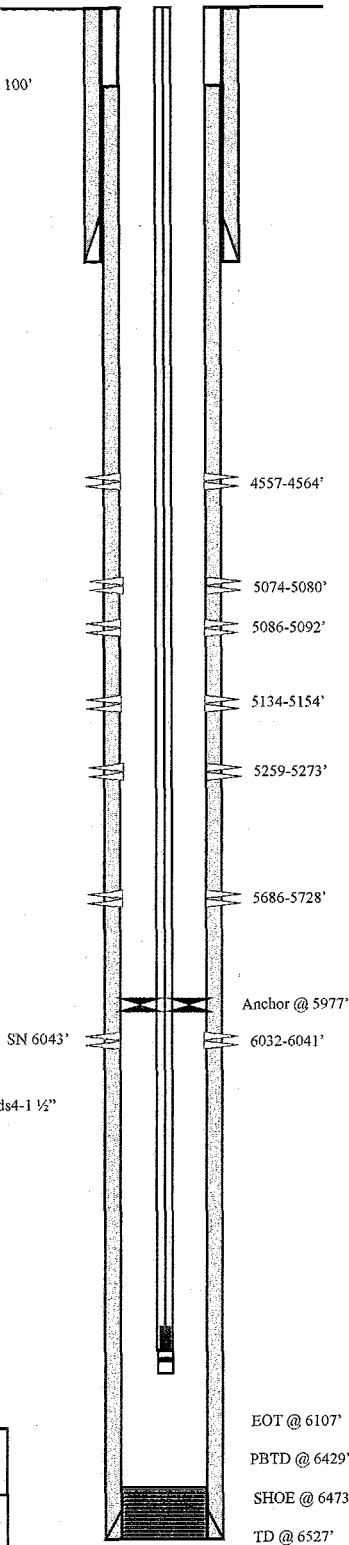
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 189 jts (5964.90')  
TUBING ANCHOR: 5976.90' KB  
NO. OF JOINTS: 2 jts (63.04')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 6042.74' KB  
NO. OF JOINTS: 2 jts (63.16')  
TOTAL STRING LENGTH: EOT @ 6107.45' KB

## SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM  
SUCKER RODS: 1-8', 2-6', 1-2' x 7/8" ponies, 236- 7/8" scraped rods 4-1 1/2" weight rods.  
PUMP SIZE: 2-1/2" x 1-3/4" x 20' RHAC w/SM plunger  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 4 SPM

Wellbore Diagram

Cement top @ 100'



## FRAC JOB

11-06-06 6032-6041' **Frac CP2 sands as follows:**  
18730# 20/40 sand in 327 bbls Lightning 17 frac fluid. Treated @ avg press of 2300 psi w/avg rate of 25 BPM. ISIP 2030 psi. Calc flush: 6030 gal. Actual flush: 5502 gal.

11-06-06 5686-5728' **Frac LODC sands as follows:**  
101511# 20/40 sand in 749 bbls Lightning 17 frac fluid. Treated @ avg press of 2200 psi w/avg rate of 25 BPM. ISIP 1495 psi. Calc flush: 5684 gal. Actual flush: 5166 gal.

11-07-06 5259-5273' **Frac C sands as follows:**  
30821# 20/40 sand in 358 bbls Lightning 17 frac fluid. Treated @ avg press of 2000 psi w/avg rate of 25 BPM. ISIP 2000 psi. Calc flush: 5257 gal. Actual flush: 4788 gal.

11-07-06 5074-5154' **Frac D1, D2 sands as follows:**  
140481# 20/40 sand in 923 bbls Lightning 17 frac fluid. Treated @ avg press of 2093 w/ avg rate of 25 BPM. ISIP 2360 psi. Calc flush: 5072 gal. Actual flush: 4536 gal.

11-07-06 4557-4564' **Frac GB4 sands as follows:**  
19352# 20/40 sand in 276 bbls Lightning 17 frac fluid. Treated @ avg press of 1885 w/ avg rate of 25 BPM. ISIP 1987 psi. Calc flush: 4555 gal. Actual flush: 4452 gal.

## PERFORATION RECORD

Date	Interval	Tool	Holes
11-03-06	6032-6041'	4 JSPF	36 holes
11-06-06	5686-5728'	4 JSPF	84 holes
11-06-06	5259-5273'	4 JSPF	56 holes
11-07-06	5134-5154'	4 JSPF	80 holes
11-07-06	5086-5092'	4 JSPF	24 holes
11-07-06	5074-5080'	4 JSPF	24 holes
11-07-06	4557-4564'	4 JSPF	28 holes

**NEWFIELD**

**MBNE Federal S-25-8-16**  
1920' FSL & 1923' FEL  
NW/SE Section 25-T8S-R16E  
Duchesne Co, Utah  
API # 43-013-33252; Lease # UTU-67170

# Monument Butte Fed. #14-25-8-16

A Hum. 6-5

Spud Date: 8/21/95  
Put on Production: 10/14/95

GL: 5386' KB: 5398'

## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (314.74')  
DEPTH LANDED: 310.89' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 130 sxs Premium cmt, est 4 bbls cmt to surf.

## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
DEPTH LANDED: 6101' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 255 sxs Hilift & 285 sxs Thixotropic.  
CEMENT TOP AT: ? per CBL

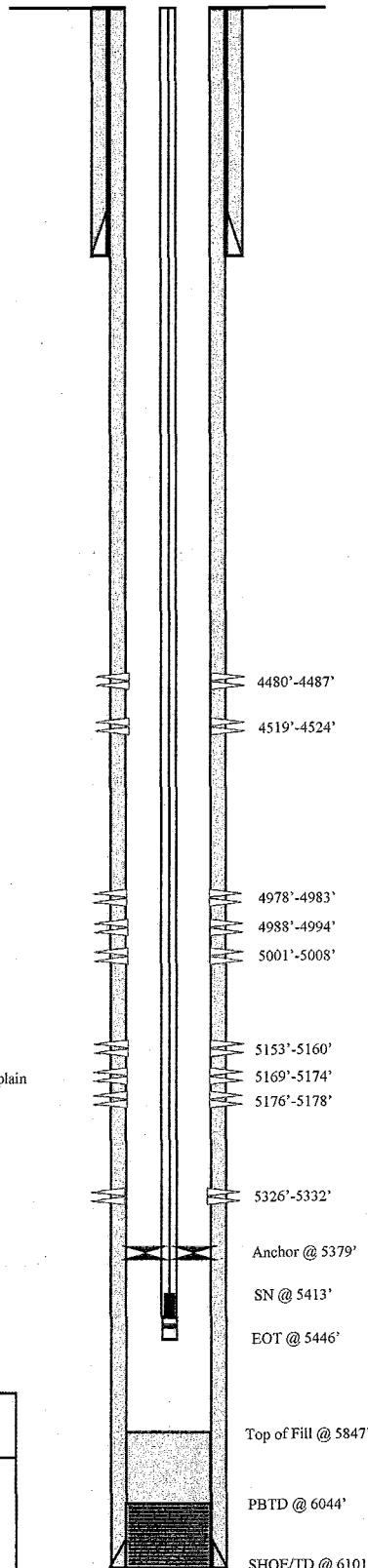
## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 171 jts (5366.56')  
TUBING ANCHOR: 5378.56' KB  
NO. OF JOINTS: 1 jt (31.40')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5412.76' KB  
NO. OF JOINTS: 1 jt (31.43')  
TOTAL STRING LENGTH: EOT @ 5445.74 W/12' KB

## SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
SUCKER RODS: 6-1 1/2" weight bars; 10-3/4" scraped rods; 99-3/4" plain rods; 100-3/4" scraped rods; 1-3/4" plain rod; 1-8" x 3/4" pony rod.  
PUMP SIZE: 2-1/2" x 1-1/2" x 16" RHAC  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 3.5 SPM.  
LOGS: DIGL/SP/GR/CAL

## Wellbore Diagram



Initial Production: 163 BOPD,  
132 MCFD, 0 BWPD

## FRAC JOB

10/05/95 5326'-5332'' **Frac B2 sands as follows:**  
46,000# 16/30 sand in 455 bbls Boragel frac fluid. Treated @ avg press of 2120 psi w/avg rate of 21 BPM. ISIP 2341 psi. Calc flush: 5326 gal. Actual flush: 5246 gal.

10/07/95 5326'-5332'' **Frac C sands as follows:**  
80,200# 16/30 sand in 675 bbls Boragel frac fluid. Treated @ avg press of 2100 psi w/avg rate of 40 BPM. ISIP 2676 psi. Calc flush: 5153 gal. Actual flush: 5100 gal.


10/10/95 5326'-5332'' **Frac D1 sands as follows:**  
81,000# 16/30 sand in 703 bbls Boragel frac fluid. Treated @ avg press of 2100 psi w/avg rate of 35 BPM. ISIP 2519 psi. Calc flush: 4978 gal. Actual flush: 4943 gal.

NOTE: No work over information since put on production 10/14/95.

2/12/03 4480'-4524'' **Frac GB4 and GB6 sands as follows:**  
58,257# 20/40 sand in 474 bbls Viking 1-25 fluid. Treated @ avg press of 1976 psi w/avg rate of 20.2 BPM. ISIP 2534 psi. Calc flush: 4480 gal. Actual flush: 4368 gal.

## PERFORATION RECORD

Date	Depth Range	Tool Joint	Holes
10/04/95	5326'-5332'	4 JSPF	24 holes
10/06/95	5176'-5178'	4 JSPF	24 holes
10/06/95	5169'-5174'	4 JSPF	24 holes
10/06/95	5153'-5160'	4 JSPF	24 holes
10/08/95	5001'-5008'	4 JSPF	24 holes
10/08/95	4988'-4994'	4 JSPF	24 holes
10/08/95	4978'-4983'	4 JSPF	24 holes
2/11/03	4519'-4524'	4 JSPF	20 holes
2/11/03	4480'-4487'	4 JSPF	28 holes



**Inland Resources Inc.**

**Monument Butte Fed. #14-25-8-16**

535' FSL & 1980' FWL

SESW Section 25-T8S-R16E

Duchesne Co, Utah

API #43-013-31531; Lease #U-67170

Attach. E-6

# Monument Butte Fed. #15-25-8-16

Spud Date: 11/10/95  
Put on Production: 12/21/2001  
Put on Injection: 5/25/96  
GL: 5134' KB: 5124'

Initial Production: BOPD,  
MCFD, BWPD

Injection Wellbore  
Diagram

## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE:  
WEIGHT:  
LENGTH:  
DEPTH LANDED: 333' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA:

## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 6185'  
DEPTH LANDED: 6194' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 125 sxs Hyfill & 300 sxs Thixotropic.  
CEMENT TOP AT: ? per CBL

## TUBING

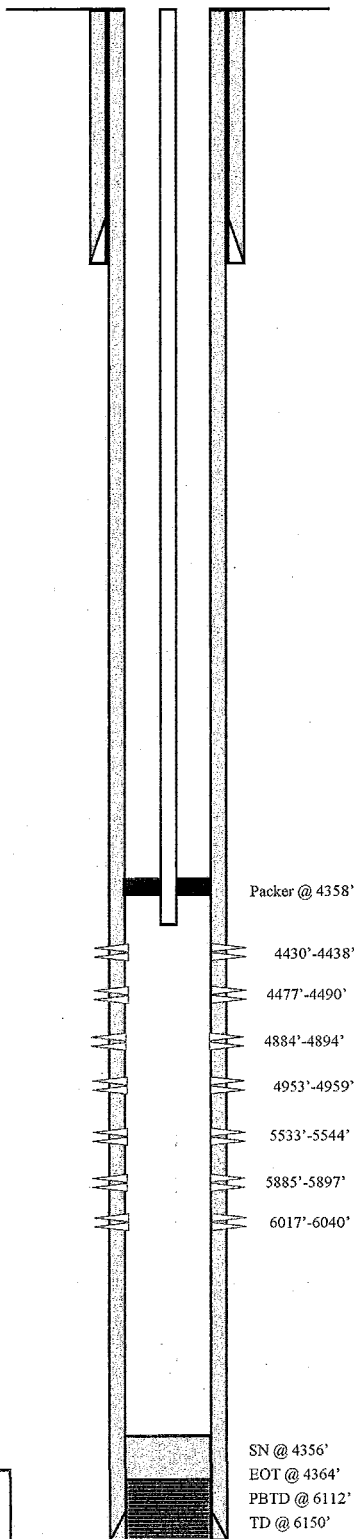
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 138 jts (4343.86')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 4356.86' KB  
PACKER AT: 4358.31' KB  
TOTAL STRING LENGTH: EOT @ 4364.89' KB

## FRAC JOB

12/08/95	6017'-6040'	<b>Frac CP 4 sand as follows:</b> 76,600# 20/40 sand in 595 bbls Boragel frac fluid. Treated @ avg press of 2100 psi w/avg rate of 30 BPM. ISIP 2095 psi. Calc flush: 6017 gal. Actual flush: 5991 gal.
12/11/95	5885'-5897'	<b>Frac CP 2 sand as follows:</b> 48,500# 20/40 sand in 422 bbls Boragel frac fluid. Treated @ avg press of 2400 psi w/avg rate of 21 BPM. ISIP 2455 psi. Calc flush: 5885 gal. Actual flush: 5799 gal.
12/13/95	5533'-5544'	<b>Frac A sands as follows:</b> 42,000# 20/40 sand in 402 bbls Boragel frac fluid. Treated @ avg press of 2120 psi w/avg rate of 21 BPM. ISIP 2370 psi. Calc flush: 5533 gal. Actual flush: 5456 gal.
12/16/95	4884'-4959'	<b>Frac B1,2 sands as follows:</b> 68,400# 20/40 sand in 559 bbls Boragel frac fluid. Treated @ avg press of 1930 psi w/avg rate of 33 BPM. ISIP 2186 psi. Calc flush: 4884 gal. Actual flush: ? gal.
5/25/96		<b>Convert to injection.</b>
5/25/01		<b>Add GB4 &amp; GB6 perforations.</b>
5/22/06		<b>5 Year MIT completed and submitted.</b>

## PERFORATION RECORD

12/07/95	6017'-6040'	4 JSPF	32 holes
12/11/95	5885'-5897'	4 JSPF	48 holes
12/12/95	5533'-5544'	4 JSPF	40 holes
12/14/95	4933'-4959'	4 JSPF	24 holes
12/14/95	4884'-4894'	4 JSPF	40 holes
5/23/01	4477'-4490'	4 JSPF	52 holes
5/23/01	4430'-4438'	4 JSPF	32 holes



**NEWFIELD**

Monument Butte Fed. #15-25-8-16  
583' FSL & 1799' FEL  
SWSE Section 25-T8S-R16E  
Duchesne Co, Utah  
API #43-013-31559; Lease #U-67170

Attn. E-7

# Tar Sands Federal #12-30

Spud Date: 7/20/96  
Put on Production: 9/6/96  
GL: 5315' KB: 5328'

Initial Production: 135 BOPD,  
362 MCFPD, 4 BWPD

Wellbore Diagram

## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (289.88')  
DEPTH LANDED: 288.28'(GL)  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 120 sxs Premium cmt, est 5 bbls cmt to surf.

## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 146 jts. (6209.12')  
DEPTH LANDED: 6203.12'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 270 sk Hyfill mixed & 330 sxs thixotropic  
CEMENT TOP AT: Surface per CBL

## TUBING

SIZE/GRADE/WT: 2 7/8" / M-50 / 6.5#  
NO. OF JOINTS: 190 jts (5900.13')  
TUBING ANCHOR: 5910.13' KB  
NO. OF JOINTS: 2 jts. (64.82')  
SEATING NIPPLE: 2 7/8" (1.10')  
SN LANDED AT: 5977.66' KB  
NO. OF JOINTS: 1 jt. (32.45')  
TOTAL STRING LENGTH: EOT @ 6011.61'

## SUCKER RODS

POLISHED ROD: 1 1/2" x 22' SM  
SUCKER RODS: 1-8", 1-6", 1-4", 1-2" x 7/8 pony rods, 71- 7/8" guided rods (new), 49- 3/4" quid rods, 91- 3/4" plain rods, 21- 3/4" guided rods, 6 -- 1 1/2" weight bars.  
PUMP SIZE: 2 1/2" x 1 1/2" x 12.5' x 15.5' RHAC  
STROKE LENGTH: 64"  
PUMP SPEED, SPM: 5 SPM  
LOGS: DIGL/SP/GR/CAL

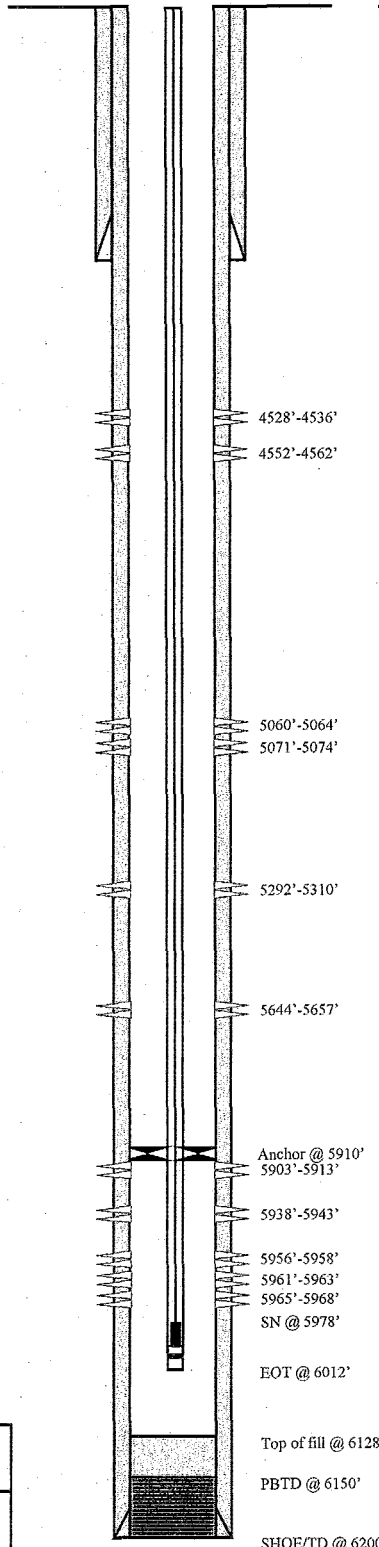
## FRAC JOB

8/26/96 5903'-5968' Frac CP-1 & CP-2 sands as follows:  
111,200# of 20/40 sand in 582 bbls of Boragel. Treated @ avg rate of 24 bpm w/avg press of 2000psi. ISIP: 2200 psi.  
8/28/96 5644'-5657' Frac LDC sand as follows:  
105,600# of 20/40 sand in 551 bbls of Boragel. Treated @ avg rate of 20.5 bpm w/avg press of 2250 psi. ISIP-3018 psi.  
8/30/96 5292'-5310' Frac B-1 sand as follows:  
115,000# of 20/40 sand in 572 bbls of Boragel. Treated @ avg rate of 20 bpm w/avg press of 1700 psi. ISIP-2107 psi died.  
9/3/96 5060'-5074' Frac D-2 sand as follows:  
100,500# of 20/40 sand in 545 bbls of Boragel. Treated @ avg rate of 20.4 bpm w/avg press of 1750 psi. ISIP-2727 psi.  
9/20/01 Rod job. Update rod and tubing details.  
5/30/02 4528'-4562' Frac GB4 & GB6 sands as follows:  
66,800# of 20/40 sand in 510 bbls of Viking I-25 frac fluid. Treated @ avg press. of 2100 psi w/avg rate of 25 bpm. ISIP-2110 psi. Calc. flush: 4528 gal. Actual flush: 4410 gal.

10/22/03 Tubing leak. Update tubing and rod details.  
4/22/04 Pump change. Update rod detail.  
10/21/04 Parted rods. Updated rod detail.  
01/20/05 Parted rods. Updated rod detail.  
3-30-05 Parted rods. Updated rod detail.  
11-30-06 Parted Rods: Updated rod and tubing detail.

## PERFORATION RECORD

8/24/96 5903'-5913' 4 JSPF 40 holes  
8/24/96 5938'-5943' 4 JSPF 20 holes  
8/24/96 5956'-5958' 4 JSPF 8 holes  
8/24/96 5961'-5963' 4 JSPF 8 holes  
8/24/96 5965'-5968' 4 JSPF 12 holes  
8/27/96 5644'-5657' 4 JSPF 48 holes  
8/29/96 5292'-5310' 4 JSPF 68 holes  
8/31/96 5060'-5064' 4 JSPF 16 holes  
8/24/96 5071'-5074' 4 JSPF 12 holes  
5/29/02 4528'-4536' 4 JSPF 32 holes  
5/29/02 4552'-4562' 4 JSPF 40 holes



**NEWFIELD**

**Tar Sands Federal #12-30**

660 FWL & 1980 FSL

NW/SW Section 30-T8S-R17E

Duchesne Co, Utah

API #43-013-31543; Lease #U-74869

AHAM. E-8

Spud Date: 6/29/96  
Put on Production: 7/30/96  
Put on Injection: 9/18/01  
GL: 5282' KB: 5295'

# Tar Sands Federal #13-30-8-17

Initial Production: 32 BOPD,  
68 MCFPD, 2 BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (290.48')  
DEPTH LANDED: 289.38'(GL)  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 120 sxs Premium cmt, est 4 bbls cmt to surf.

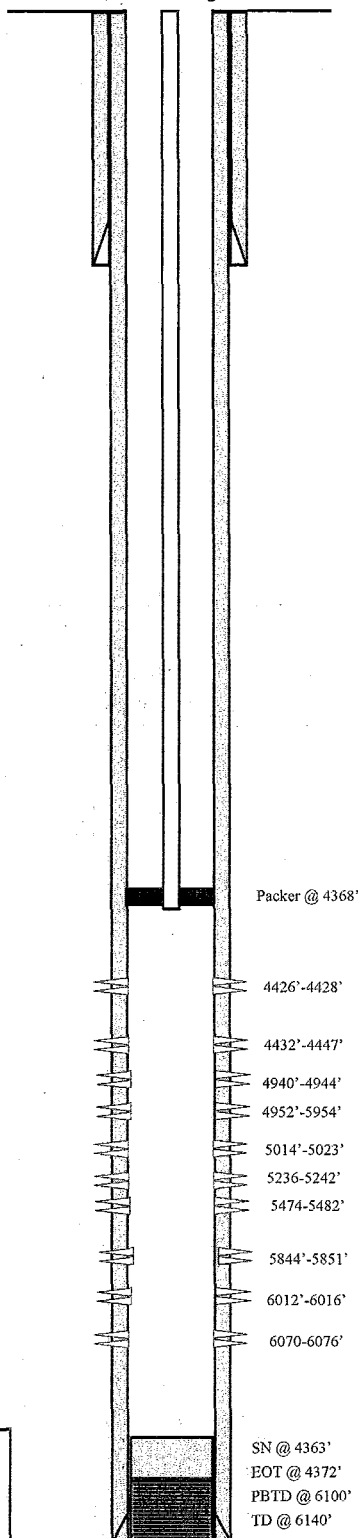
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 144 jts. (6146.77')  
DEPTH LANDED: 6140.77'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 320 sk Hybond mixed & 340 sxs thixotropic  
CEMENT TOP AT: Surface per CBL

## TUBING

SIZE/GRADE/WT.: 2-7/8"/6.5#/M-50 tbg.  
NO. OF JOINTS: 144 jts. (4350.27')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 4363.27' KB  
PACKER: 4367.60' KB  
TOTAL STRING LENGTH: EOT @ 4371.79' KB

## Wellbore Diagram



## FRAC JOB

7/17/96 5844'-6016' Frac CP-1 and CP-4 sands as follows:  
83,900# of 20/40 sand in 486 bbls of Boragel.  
Treated @ avg rate of 28 bpm w/ avg press of 2000psi. ISIP-2497 psi. Calc. flush: 5844 gal.  
Actual flush: 5796 gal.

7/20/96 4940'-5023' Frac D-1 and D-2 sand as follows:  
87,100# of 20/40 sd in 470 bbls of Boragel.  
Treated @ avg rate of 26.4 bpm w/avg press of 2400 psi. ISIP-2938 psi. Calc. flush: 4940 gal.  
Actual flush: 4926 gal.

2/29/00 4426'-4447' Frac GB-4 sand as follows:  
72,725# 20/40 sand in 424 bbl of Viking I-25 fluid. Treated @ avg. rate of 33BPM @ 2500 psig. ISIP-3200psig. Screened out with 64,063# sand in formation, 8,662# in csg. Calc. flush: 4426 gal. Actual flush: 3108 gal.

3/23/01 Convert to injector.

8-11-05 6070-6076' Frac CP4 sand as follows:  
5116# 20/40 sand in 160 bbl of Lightning 17 frac fluid. Treated @ w/avg. pressure of 5443 at ave rate of 13.9 BPM. Screened out with 5116# sand in formation.

8-11-05 5474-5482' Frac A3 sand as follows:  
14214# 20/40 sand in 159 bbl of Lightning 17 frac fluid. Treated @ w/avg. pressure of 3502 at ave rate of 14.2BPM. ISIP 2500 psi  
Calc. flush: 1411 gals. Actual flush: 1306 gals.

8-11-05 5236-5242' Frac B1 sand as follows:  
16384# 20/40 sand in 172 bbl of Lightning 17 frac fluid. Treated @ w/avg. pressure of 3078 at ave rate of 14.3 BPM. Calc. Flush:  
Actual flush: 1218 gals.

## PERFORATION RECORD

Date	Depth Range	Tool	Holes
7/17/96	5844'-5851'	4 JSPF	28 holes
7/17/96	6012'-6016'	4 JSPF	16 holes
7/18/96	4940'-4944'	4 JSPF	16 holes
7/18/96	4952'-4954'	4 JSPF	8 holes
7/18/96	5014'-5023'	4 JSPF	36 holes
2/29/00	4432'-4447'	4 JSPF	60 holes
2/29/00	4426'-4428'	4 JSPF	8 holes
8-11-05	6070-6076'	4 JSPF	24 holes
8-11-05	5474-5482'	4 JSPF	32 holes
8-11-05	5236-5242'	4 JSPF	24 holes



Tar Sands Federal #13-30-8-17  
602 FSL & 698 FWL  
SWSW Section 30-T8S-R17E  
Duchesne Co, Utah  
API #43-013-31637; Lease #U-74869

Altam. 6-9

# Tar Sands Federal #14-30

Spud Date: 12/13/96

Put on Production: 4/3/00

GL: 5300' KB: 5313'

## SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (293.58')

DEPTH LANDED: 292.78' GL

HOLE SIZE: 12-1/4"

CEMENT DATA: 120 sxs Premium cmt, est 2 bbls to surf.

## PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 145 jts. (?)

DEPTH LANDED: 6100'

HOLE SIZE: 7-7/8"

CEMENT DATA: 340 sk Hibond mixed & 320 sxs thixotropic

CEMENT TOP AT: 902' per CBL

## TUBING

SIZE/GRADE/WT.: 2-7/8"/6.5#/M-50 tbg.

NO. OF JOINTS: 170 jts. (5233.21')

NO. OF JOINTS: 19 jts. (601.54') (2 7/8" J-55)

TUBING ANCHOR: 5844.75' KB

NO. OF JOINTS: 1 jts. (31.47')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 5879.03' KB

NO. OF JOINTS: 1 jts. (31.30')

TOTAL STRING LENGTH: EOT @ 5911.88' W/10' KB

## SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished rod.

SUCKER RODS: 4 - 1" weight rods, 35 - 3/4" scraped rods, 102 - 3/4" plain rods, 94 - 3/4" scraped rods, 1 - 6' - 3/4" pony rods.

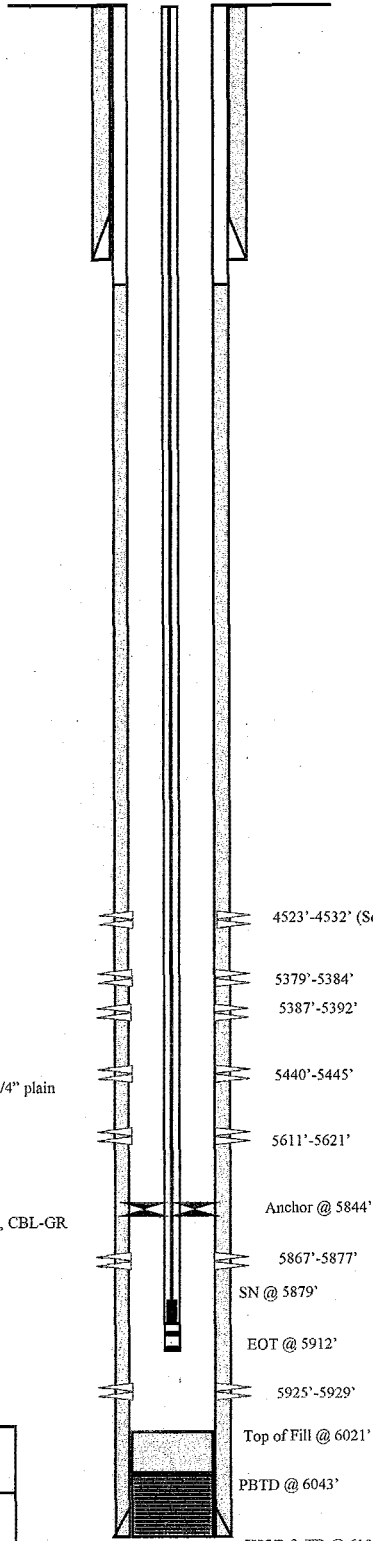
PUMP SIZE: 2-1/2" x 1-1/2" x 15" w/SM Plunger

STROKE LENGTH: 74"

PUMP SPEED, SPM: 6 SPM

LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

## Wellbore Diagram



Initial Production: 16.4 BOPD,  
11.2 MCFPD, 91.3 BWPD

## FRAC JOB

3/28/00 5867'-5929'

Frac CP sands as follows:

73,475# of 20/40 sand in 531 bbls of Viking I-25 fluid. Hole filled w/132 bbls. Breakdown @ 3170 psi, treated @ avg rate of 31.4 bpm w/ avg press of 2300psi. ISIP-2290 psi, 5-min 2019 psi.

3/29/00 5611'-5621'

Frac LODC sand as follows:

71,674# of 20/40 sd in 497 bbls of Viking I-25. Breakdown @ 3657 psi. Treated @ avg rate of 32 bpm w/avg press of 2400 psi. ISIP-2320 psi, 5-min 2119 psi.

3/29/00 5379'-5445'

Frac A sand as follows:

66,298# of 20/40 sd in 451 bbls of Viking I-25. Breakdown @ 4000 psi. Treated @ avg rate of 31.9 bpm w/avg press of 2370 psi. ISIP-2170 psi, 5-min 2021 psi.

3/29/00 4523'-4532'

Frac GB sand as follows:

81,163# of 20/40 sd in 544 bbls of Viking I-25. Breakdown @ 3935 psi. Treated @ avg rate of 27.5 bpm w/avg press of 2200 psi. ISIP-2354 psi, 5-min 2178 psi.

6/7/00 4523'-4532'

Squeeze GB sand as follows:


Pump 100 sx Class "G" cmt. @ 2.5 bpm @ 600 psi. Drill out cmt and pressure test to 500 psi for 15 min.

9/6/03

Tubing Leak. Update rod and tubing details.

## PERFORATION RECORD

3/28/00	5867'-5877'	4 JSPF	40 holes
3/28/00	5925'-5929'	4 JSPF	16 holes
3/29/00	5611'-5621'	4 JSPF	40 holes
3/29/00	5379'-5384'	4 JSPF	20 holes
3/29/00	5387'-5392'	4 JSPF	20 holes
3/29/00	5440'-5445'	4 JSPF	20 holes
3/29/00	4523'-4532'	4 JSPF	36 holes



**Inland Resources Inc.**

**Tar Sands Federal #14-30**

755 FSL 1930 FWL

SESW Section 30-T8S-R17E

Duchesne Co, Utah

API #43-013-31711; Lease #UTU-74869

AHAM. E-10

# Tar Sands Federal #4-31-8-17

Spud Date: 7/22/96

P

ut on Production: 8/26/96

GL: 5312' KB: 5325'

## SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (291.13')

DEPTH LANDED: 289.53' (GL)

HOLE SIZE: 12-1/4"

CEMENT DATA: 120 sxs Premium cmt, est 5 bbls cmt to surf.

## PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 156 jts. (6224.10')

DEPTH LANDED: 6222.10'

HOLE SIZE: 7-7/8"

CEMENT DATA: 330 sk Hybond mixed & 370 sxs thixotropic

CEMENT TOP AT: Surface per CBL

## TUBING

SIZE/GRADE/WT.: 2-7/8"/6.5#/LS tbg.

NO. OF JOINTS: 176 jts. (5503.34')

TUBING ANCHOR: 5516.34'

NO. OF JOINTS: 3 jt. (93.31')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 5612.45'

NO. OF JOINTS: 2 jt. (62.31')

TOTAL STRING LENGTH: EOT @ 5676.31'

## SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished rod.

SUCKER RODS: 97-3/4" scraped rods, 100-3/4" plain rods, 20-3/4" guide rods (NEW), 6-1 1/2" wt bars (NEW) 1-8", 1-6", 1-4", 1-2" x 3/4" pony rods.

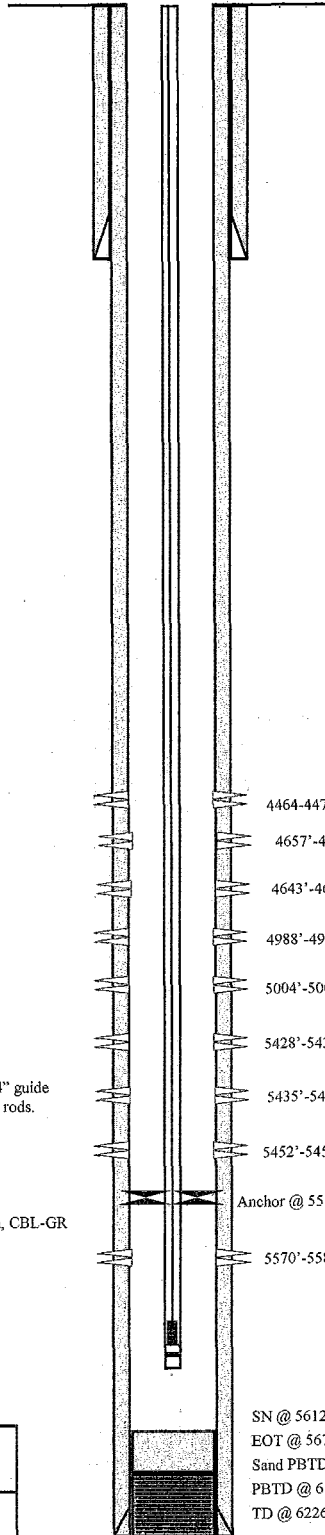
PUMP SIZE: 2-1/2 x 1-1/2 x 15 1/2" RHAC pump

STROKE LENGTH: 124"

PUMP SPEED, SPM: 5 SPM

LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

## Wellbore Diagram



## FRAC JOB

8/14/96 5570'-5582'

Frac LDC sand as follows:  
87,700# of 20/40 sand in 484 bbls of Boragel.  
Treated @ avg rate of 20 bpm w/avg press of 2000 psi. ISIP-2339 psi. Calc. flush: 5570 gal. Actual flush: 5494 gal.

8/16/96 5428'-5455'

Frac A-3 sand as follows:  
86,700# of 20/40 sand in 478 bbls of Boragel.  
Treated @ avg rate of 18.3 bpm w/avg press of 2050 psi. ISIP-3007 psi. Calc. flush: 5428 gal. Actual flush: 5332 gal.

8/19/96 4988'-5008'

Frac D-2 sand as follows:  
86,500# of 20/40 sand in 475 bbls of Boragel.  
Treated @ avg rate of 18 bpm w/avg press of 2200 psi. ISIP-2793 psi. Calc. flush: 4988 gal. Actual flush: 4920 gal.

8/21/96 4643'-4660'

Frac PB-10 sand as follows:  
99,400# of 20/40 sand in 546 bbls of Boragel.  
Treated @ avg rate of 22.2 bpm w/avg press of 2600 psi. ISIP-3453 psi. Calc. flush: 4643 gal. Actual flush: 4652 gal.

05/02/07

Re-completion. Rod & tubing details updated

05/02/07 4464-4474'

Frac GB6 sand as follows:  
34046# of 20/40 sand in 350 bbls of Lighting 17 fluid. Treated avg press of 2464 psi w/avg rate of 24.9 ISIP-2465 psi. Calc. flush: 4462 gal. Actual flush: 4452 gal.

## PERFORATION RECORD

8/13/96	5570'-5582'	4 JSPF	48 holes
8/15/96	5428'-5431'	4 JSPF	12 holes
8/15/96	5435'-5439'	4 JSPF	16 holes
8/15/96	5452'-5455'	4 JSPF	12 holes
8/17/96	4988'-4993'	4 JSPF	20 holes
8/17/96	5004'-5008'	4 JSPF	16 holes
8/20/96	4643'-4653'	4 JSPF	40 holes
8/20/96	4657'-4660'	4 JSPF	12 holes
5/02/07	4464-4474'	4 JSPF	40 holes

**NEWFIELD**

**Tar Sands Federal #4-31-8-17**

549 FWL & 635 FNL

NWNW Section 31-T8S-R17E

Duchesne Co, Utah

API #43-013-31606; Lease #U-74869

West Coast Region  
5125 Boylan Street  
Bakersfield, CA 93308  
(661) 325-4138  
Lab Team Leader - Sheila Hernandez  
(432) 495-7240

## Water Analysis Report by Baker Petrolite

Company:	NEWFIELD EXPLORATION	Sales RDT:	31706
Region:	WESTERN REGION	Account Manager:	RANDY HUBER (435) 823-0023
Area:	MYTON, UT	Sample #:	43455
Lease/Platform:	MONUMENT BUTTE FEDERAL	Analysis ID #:	79649
Entity (or well #):	16-25-8-16	Analysis Cost:	\$80.00
Formation:	UNKNOWN		
Sample Point:	WELLHEAD		

Summary		Analysis of Sample 43455 @ 75 °F					
Sampling Date:	02/26/08	Anions	mg/l	meq/l	CatIons	mg/l	meq/l
Analysis Date:	03/03/08	Chloride:	3250.0	91.67	Sodium:	2141.7	93.16
Analyst:	LISA HAMILTON	Bicarbonate:	1615.0	26.47	Magnesium:	43.0	3.54
TDS (mg/l or g/m3):	8181.7	Carbonate:	280.0	9.33	Calcium:	113.0	5.64
Density (g/cm3, tonne/m3):	1.006	Sulfate:	3.0	0.06	Strontium:	13.0	0.3
Anion/Cation Ratio:	1	Phosphate:			BarIum:	52.0	0.76
		Borate:			Iron:	653.0	23.6
		Silicate:			Potassium:	10.0	0.26
Carbon Dioxide:		Hydrogen Sulfide:			Aluminum:		
Oxygen:		pH at time of sampling:			Chromium:		
Comments:		pH at time of analysis:		9.14	Copper:		
		pH used in Calculation:		9.14	Lead:		
					Manganese:	8.000	0.29
					Nickel:		

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp	Gauge Press.	Calcite CaCO <sub>3</sub>		Gypsum CaSO <sub>4</sub> *2H <sub>2</sub> O		Anhydrite CaSO <sub>4</sub>		Celestite SrSO <sub>4</sub>		Barite BaSO <sub>4</sub>		CO <sub>2</sub> Press
°F	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0	2.27	97.69	-3.70	0.00	-3.77	0.00	-2.83	0.00	0.90	2.09	0.01
100	0	2.25	97.69	-3.71	0.00	-3.71	0.00	-2.81	0.00	0.76	2.09	0.03
120	0	2.23	97.69	-3.70	0.00	-3.63	0.00	-2.77	0.00	0.65	2.09	0.05
140	0	2.22	97.69	-3.69	0.00	-3.52	0.00	-2.72	0.00	0.56	1.74	0.09

Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered.

Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

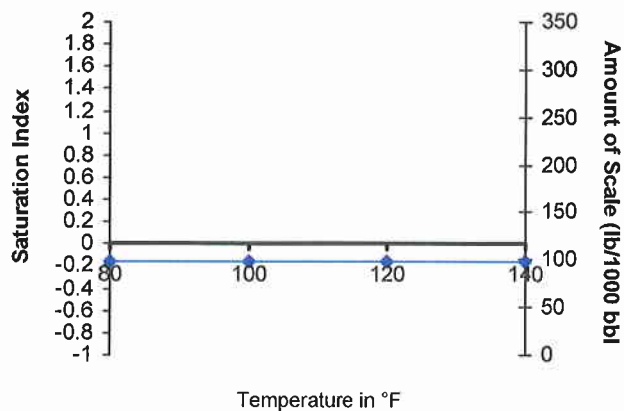
Note 3: The reported CO2 pressure is actually the calculated CO2 fugacity. It is usually nearly the same as the CO2 partial pressure.



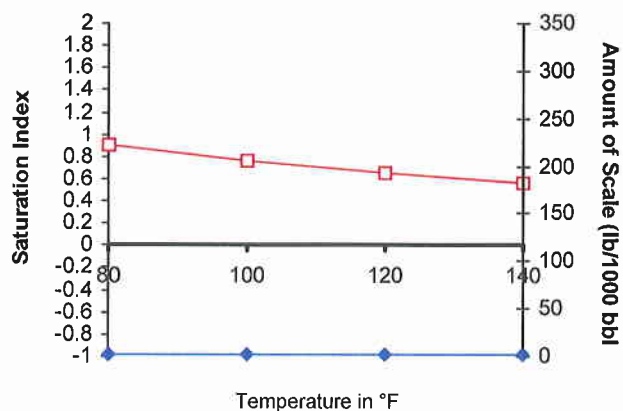
## Scale Predictions from Baker Petrolite

Analysis of Sample 43455 @ 75 °F for NEWFIELD EXPLORATION, 03/03/08

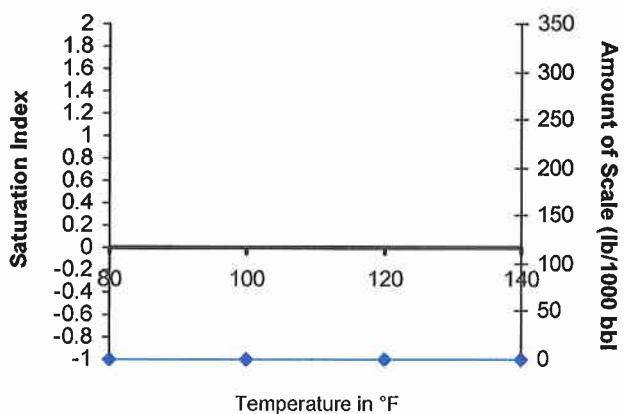
**Calcite -  $\text{CaCO}_3$**



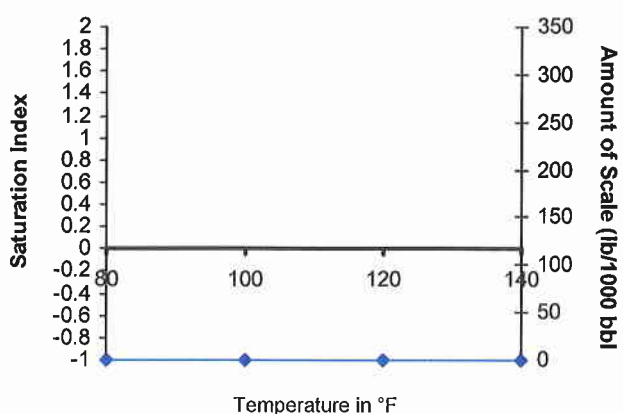
**Barite -  $\text{BaSO}_4$**



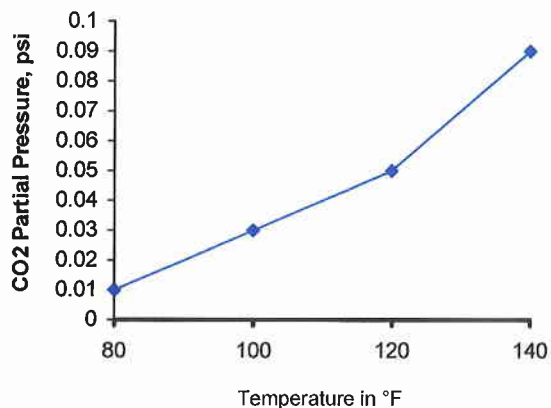
**Gypsum -  $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$**



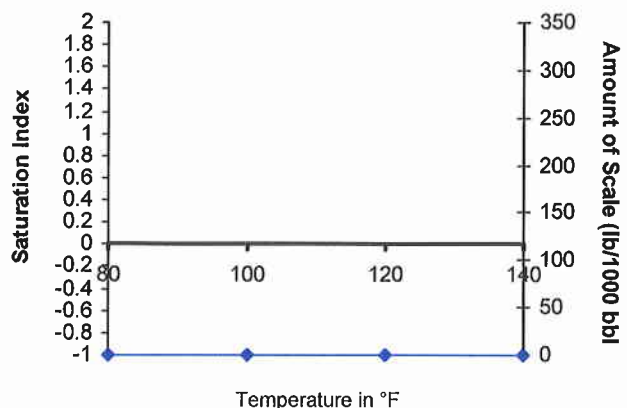
**Anhydrite -  $\text{CaSO}_4$**



**Carbon Dioxide Partial Pressure**



**Celestite -  $\text{SrSO}_4$**



Attachment  
3 of 4

West Coast Region  
5125 Boylan Street  
Bakersfield, CA 93308  
(661) 325-4138  
Lab Team Leader - Sheila Hernandez  
(432) 495-7240

## Water Analysis Report by Baker Petrolite

Company:	NEWFIELD EXPLORATION	Sales RDT:	31706
Region:	WESTERN REGION	Account Manager:	RANDY HUBER (435) 823-0023
Area:	MYTON, UT	Sample #:	409372
Lease/Platform:	MONUMENT BUTTE FEDERAL	Analysis ID #:	78567
Entity (or well #):	INJECTION SYSTEM	Analysis Cost:	\$80.00
Formation:	UNKNOWN		
Sample Point:	TRIPLEX SUCTION		

Summary		Analysis of Sample 409372 @ 75 °F					
Sampling Date:	01/21/08	Anions	mg/l	meq/l	Cations	mg/l	meq/l
Analysis Date:	01/25/08	Chloride:	1529.0	43.13	Sodium:	1199.3	52.17
Analyst:	STACEY SMITH	Bicarbonate:	577.0	9.46	Magnesium:	18.0	1.48
TDS (mg/l or g/m3):	3497	Carbonate:	34.0	1.13	Calcium:	34.0	1.7
Density (g/cm3, tonne/m3):	1.002	Sulfate:	92.0	1.92	Strontium:	2.0	0.05
Anion/Cation Ratio:	1.0000003	Phosphate:			Barium:	5.0	0.07
Carbon Dioxide:		Borate:			Iron:	0.1	0.
Oxygen:		Silicate:			Potassium:	6.5	0.17
Comments:		Hydrogen Sulfide:			Aluminum:		
		pH at time of sampling:			Chromium:		
		pH at time of analysis:		8.48	Copper:		
		pH used in Calculation:		8.48	Lead:		
					Manganese:	0.050	0.
					Nickel:		

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp	Gauge Press.	Calcite CaCO <sub>3</sub>		Gypsum CaSO <sub>4</sub> *2H <sub>2</sub> O		Anhydrite CaSO <sub>4</sub>		Celestite SrSO <sub>4</sub>		Barite BaSO <sub>4</sub>		CO <sub>2</sub> Press
°F	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0	1.00	17.46	-2.30	0.00	-2.37	0.00	-1.78	0.00	1.71	2.79	0.03
100	0	1.02	18.86	-2.31	0.00	-2.31	0.00	-1.76	0.00	1.57	2.79	0.05
120	0	1.05	20.26	-2.30	0.00	-2.23	0.00	-1.73	0.00	1.46	2.79	0.08
140	0	1.08	21.66	-2.29	0.00	-2.12	0.00	-1.69	0.00	1.37	2.79	0.12

Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered.

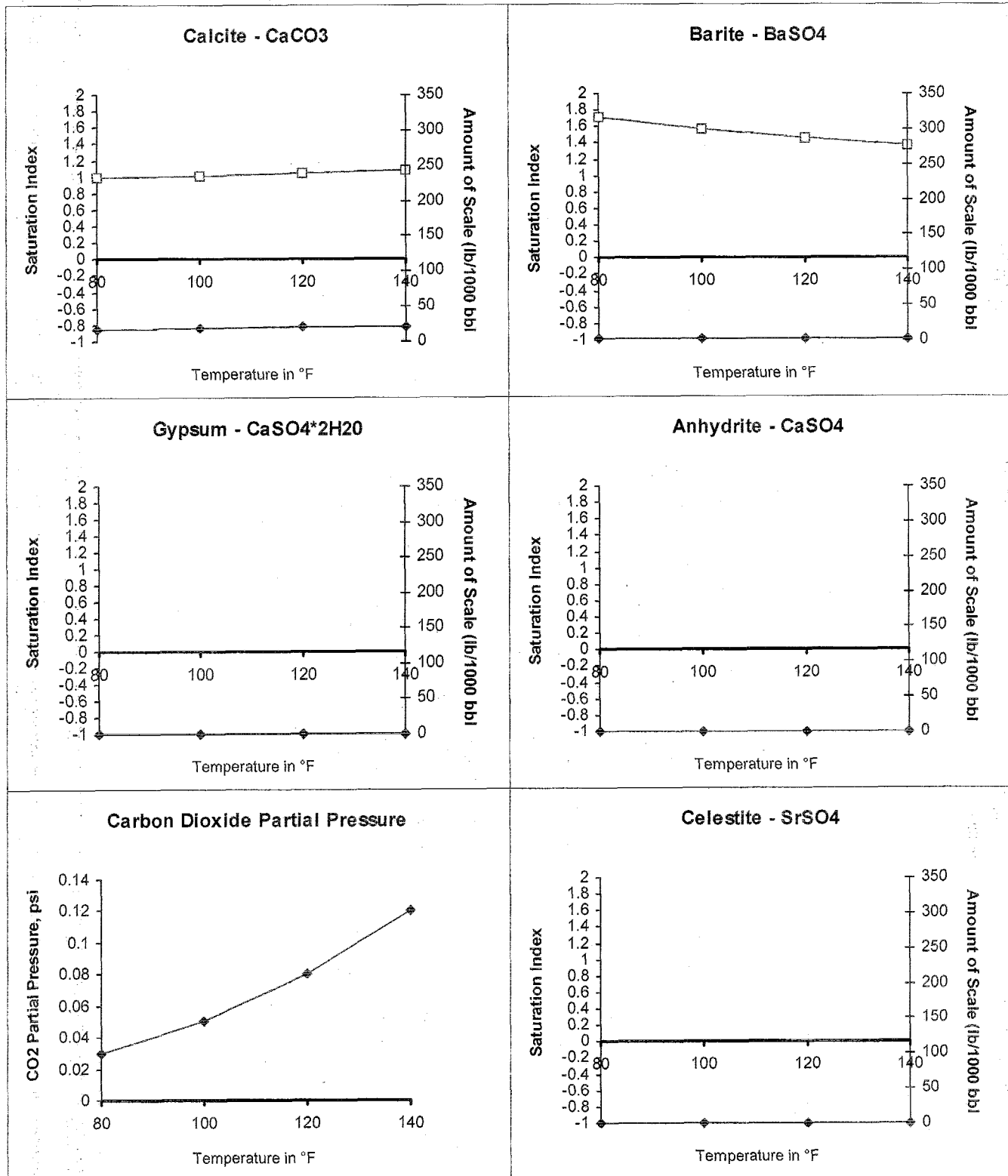
Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

Note 3: The reported CO<sub>2</sub> pressure is actually the calculated CO<sub>2</sub> fugacity. It is usually nearly the same as the CO<sub>2</sub> partial pressure.

Attachment F  
4 of 4

## Scale Predictions from Baker Petrolite

Analysis of Sample 409372 @ 75 °F for NEWFIELD EXPLORATION, 01/25/08



**Attachment "G"**

**Monument Butte 16-25-8-16  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5124	5129	5127	3282	1.07	3249
4942	5021	4982	3395	1.12	3363
4454	4492	4473	2196	0.93	2167
				<b>Minimum</b>	<u>2167</u> ←

**Calculation of Maximum Surface Injection Pressure**

$P_{max} = (\text{Frac Grad} - (0.433 \times 1.015)) \times \text{Depth of Top Perf}$   
where pressure gradient for the fresh water is .433 psi/ft and  
specific gravity of the injected water is 1.015.

$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Top Perf.})) / \text{Top Perf.}$

**Please note:** These are existing perforations; additional perforations may be added during the actual conversion procedure.



RESOURCES INC.  
475 17th Street, Suite 1500  
Denver, CO 80202

Attachment 9-1  
1 of 3

### Daily Completion Report

#### MONUMENT BUTTE FEDERAL 16-25

SE/SE Sec. 25, 8S, 16E  
Duchesne Co., Utah  
API # 43-013-31597

Surf Spud Date: 4/1/96  
Rotary Spud Date: 4/22/96  
TD: 6100'  
Comp Rig: Basin #4

#### 7/27/96 PO: Perforate "C" sand. (Day 1)

Summary: 7/26/96 - MIRU Basin #4. NU BOP. PU 4-3/4" bit & 5-1/2" csg scraper & tally in w/195 jts 2-7/8" 6.5# LS tbg. Tag PBTD @ 6046'. Press test csg to 3000#. RU swb. Swab fluid level dn to 4700'. SIFN.  
DC: \$7,210 TWC: \$152,555

#### 7/28/96 PO: Prep to frac "C" sand. (Day 2)

Summary: 7/27/96 - TP: 0, CP: 0. TOH w/tbg. LD bit & scraper. RU Western Atlas & **PERF "C" SD @ 5124-29' w/4 JSPF**. TIH w/tbg. RU swb. IFL @ 4700', swab dn to 5100', rec 8 BTF. SIFN.  
DC: \$2,325 TWC: \$154,880

#### 7/29/96 SD for Sunday.

#### 7/30/96 PO: Set RBP & perf "D-1" & "D-2" sd. (Day 3)

Summary: 7/29/96 - TP: 0, CP: 0. RU swb. IFL @ 4400', made 3 runs, rec 10 BW, FFL @ 5100'. TOH w/tbg. NU tree saver. RU Halliburton & frac "C" sd w/56,300# of 20/40 sd in 338 bbls of Boragel. Break dn @ 2014 psi. Treated @ ave rate of 20 bpm w/ave press of 2600 psi. ISIP: 3282 psi, 5 min: 2940 psi. Flowback on 16/64" ck for 2 hrs & died. Rec 88 BTF. SIFN. Est 250 BWTR.  
DC: \$17,920 TWC: \$172,800

#### 7/31/96 PO: Frac "D-1" & "D-2" sd. (Day 4)

Summary: 7/30/96 - TP: 0, CP: 0. TIH w/tbg & BV plug. Set plug @ 5090'. Press test plug to 3000 psi. Displace 1 sk sd on plug. RU swb. IFL @ sfc, swb well dn to 4500', rec 107 BTF. TOH. RU Western Atlas & **PERF "D-1" SD @ 4942-46' & "D-2" SD @ 5006-08', 5010-15', 5017-21' w/4 JSPF**. TIH w/tbg to 5000'. RU swb. IFL @ 4000', made 3 runs, rec 10 BTF, FFL @ 5000'. SIFN. Est 133 BWTR.  
DC: \$4,510 TWC: \$177,310

#### 8/1/96 PO: Perforate "GB-6" sand. (Day 5)

Summary: 7/31/96 - TP: 0, CP: 0. RU swb. IFL @ 4700', made 5 runs, rec 3 BTF w/tr of oil, FFL @ 4900'. TOH w/tbg. NU tree saver. RU Halliburton & frac "D-1" & "D-2" sd w/96,000# of 20/40 sd in 471 bbls of Boragel. Break dn @ 1906 psi. Treated @ ave rate of 21 bpm w/ave press of 2250 psi. ISIP: 3395 psi, 5 min: 3164 psi. Flowback on 16/64" ck for 4 hrs. Rec 133 BTF w/tr of sd. SIFN. Est 468 BWTR.  
DC: \$21,275 TWC: \$198,585



RESOURCES INC.  
475 17th Street, Suite 1500  
Denver, CO 80202

### Daily Completion Report - Page Two

#### MONUMENT BUTTE FEDERAL 16-25

SE/SE Sec. 25, 8S, 16E  
Duchesne Co., Utah  
API # 43-013-31597

Surf Spud Date: 4/1/96  
Rotary Spud Date: 4/22/96  
TD: 6100'  
Comp Rig: Basin #4

#### 8/2/96 PO: Frac "GB-6" sand. (Day 6)

Summary: 8/1/96 - TP: 0, CP: 0. TIH w/BV plug. Set plug @ 4625'. LD 1 jt tbg. Test plug to 3000 psi. Displace 1 sk sd on plug. RU swb. IFL @ sfc, swb well dn to 4000', rec 95 BTF. TOH w/tbg. RU Western Atlas & PERF "GB-6" SD @ 4454-63', 4466-76', 4478-88', 4490-92' W/4 JSPF. TIH w/tbg to 4595'. RU swb. IFL @ 3900', made 5 runs, rec 9 BTF (1.5 BO, 7.5 BW), FFL @ 4595'. SIFN. Est 366 BWTR.  
DC: \$5,270 TWC: \$203,855

#### 8/3/96 PO: Pull RBP's. (Day 7)

Summary: 8/2/96 - TP: 0, CP: 0. RU swb. IFL @ 3800', made 5 runs, rec 11 BTF (2 BO, 9 BW), FFL @ 4400'. TOH w/tbg. NU tree saver. RU Halliburton & frac "GB-6" sd w/104,400# of 20/40 sd in 478 bbls of Boragel. Break dn @ 1129 psi. Treated @ ave rate of 18.3 bpm w/ave press of 1550 psi. ISIP: 2196 psi, 5 min: 2120 psi. Flowback on 16/64" ck for 2 hrs & died. Rec 154 BTF. SIFN. Est 681 BWTR.  
DC: \$22,860 TWC: \$226,715

#### 8/4/96 PO: Swabbing. (Day 8)

Summary: 8/3/96 - TP: 0, CP: 0. TIH w/RH & tbg. Tag sd @ 4431'. Circ to plug @ 4625'. Latch onto & release plug. TOH w/tbg. LD plug. TIH w/RH & tbg. Tag sd @ 4680'. Circ to plug @ 5090'. Latch onto & release plug. TOH w/tbg. LD plug. TIH w/NC, SN, 60 jts 2-7/8" 6.5# LS tbg to 1918'. SIFN. (Well took 241 bbls KCl wtr while circulating). Est 922 BWTR.  
DC: \$2,105 TWC: \$228,820

#### 8/5/96 SD for Sunday.

#### 8/6/96 PO: Swab well. (Day 9)

Summary: 8/5/96 - TP: 0, CP: 0. TIH w/tbg. Tag sd @ 5715'. LD 2 jts 2-7/8" 6.5# LS tbg. RU swb. IFL @ 400', made 26 runs, rec 377 BTF (370 BW, 7 BO), FFL @ 3200'. SIFN. Est 552 BWTR.  
DC: \$2,245 TWC: \$231,065

#### 8/7/96 PO: Finish TIH w/rods, place well on prod. (Day 10)

Summary: 8/6/96 - TP: 200, CP: 450. Bleed press off well. RU swb. IFL @ 2400', made 5 runs, rec 58 BTF (23 BO, 35 BW), FFL @ 2800'. Flush tbg w/20 BW. TOH w/tbg. TIH w/prod string as follows: NC, 3 jts tbg, SN, 8 jts tbg, TA, 157 jts 2-7/8" 6.5# M-50 tbg (EOT @ 5214', SN @ 5124', TA @ 4878'). ND BOP. Set TA w/9000# tension. NU wellhead. PU & TIH w/1-1/2" rod pmp, 8-1" scraped rods, 96 - 3/4" plain rods. SIFN. Est 537 BWTR.  
DC: \$17,955 TWC: \$249,020



RESOURCES INC.  
475 17th Street, Suite 1500  
Denver, CO 80202

Altitude 9-1

3 + 3

**Daily Completion Report - Page Three**

**MONUMENT BUTTE FEDERAL 16-25**

SE/SE Sec. 25, 8S, 16E

Duchesne Co., Utah

API # 43-013-31597

Surf Spud Date: 4/1/96

Rotary Spud Date: 4/22/96

TD: 6100'

Comp Rig: Basin #4

**8/8/96 PO: Place well on production. (Day 11)**

Summary: 8/7/96 - TP: 150, CP: 200. Bleed gas off well. Finish TIH w/100 3/4" scraped rods. PU & space out rods w/1-1/2 x 22' polished rod. Test pmp to 800 psi, held good w/good pmp action. **PUT WELL ON PRODUCTION @ 10:00 AM, 8/7/96 W/74" SL @ 7 SPM.** Filled tbg w/8 BW to test pmp. Est 545 BWTR.  
DC: \$107,180 TWC: \$356,200

## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4359'.
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement.
3. Plug #2 Set 200' plug from 2000'-2200' with 25 sx Class "G" cement.
4. Plug #3 Pump 34 sx Class G Cement down 5 -1/2" casing to 346'

The approximate cost to plug and abandon this well is \$25,401.



A Hurdment 71-1

# Monument Butte Fed. #16-25-8-16

Spud Date: 4/22/96  
Put on Production: 8/7/96  
GL: 5302' KB: 5315'

Initial Production: 98 BOPD,  
87 MCFD, 4 BWPD

## Proposed P & A Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (298.64')  
DEPTH LANDED: 296.04' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 120 sxs Premium cement.

Cement Top @  
Surface

Pump 34 sx Class G Cement down 5 -1/2" casing to 346'

Casing Shoe @ 296'

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 144 jts. (6107.04')  
DEPTH LANDED: 6101.04'  
HOLE SIZE: 7 7/8"  
CEMENT DATA: 290 sxs Hifill & 330 sxs Thixotropic.  
CEMENT TOP AT: Surface per CBL

200' Balanced Plug (25 sx) Class G Cement over water  
zone 2000' - 2200'

### TUBING

SIZE/GRADE/WT: 2 7/8" / J-55 / 6.5#  
NO. OF JOINTS: 163 jts (5063.02')  
TUBING ANCHOR: 5076.02' KB  
NO. OF JOINTS: 2 jts (64.28')  
SEATING NIPPLE: 2-7/8" (1.05')  
SN LANDED AT: 5143.11' KB  
NO. OF JOINTS: 3 jts (89.90')  
TOTAL STRING LENGTH: EOT @ 5234.56' KB

100' (12 sx) Class G Cement plug on top of CIBP

CIBP @ 4359'

4454'-4463'

4466'-4467'

4478'-4488'

4490'-4492'

4942'-4946'

5006'-5008'

5010'-5015'

5017'-5021'

5124'-5129'

Top of fill @ 5548'

PBTD @ 6046'

TD @ 6100'



Monument Butte Fed. #16-25-8-16  
572' FSL & 601' FEL  
SE/SE Section 25-T8S-R16E  
Duchesne Co, Utah  
API #43-013-31597; Lease #U-67170

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
572 FSL 601 FEL  
SESE Section 25 T8S R16E

5. Lease Serial No.

USA UTU-67170

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
MON BUTTE NE

8. Well Name and No.  
MONUMENT BUTTE FED 16-25

9. API Well No.  
4301331597

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State  
DUCHESNE, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input checked="" type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Newfield Production proposes to convert the above mentioned well from a producing oil well to an injection well.

I hereby certify that the foregoing is true and  
correct (Printed/ Typed)

Eric Sundberg

Signature

Title

Regulatory Analyst

Date

3/5/08

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or  
certify that the applicant holds legal or equitable title to those rights in the subject lease  
which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United  
States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

May 6, 2008

Newfield Production Company  
1401 17<sup>th</sup> Street, Suite 1000  
Denver, Colorado 80202

Re: Monument Butte NE Unit Well: Monument Butte Federal 16-25-8-16, Section 25, Township 8 South, Range 16 East, Duchesne County, Utah

Mr. Eric Sundberg,

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing/tubing pressure test shall be conducted prior to commencing injection.

The Division will issue an Underground Injection Control Permit after the above stipulations have been met. If you have any questions regarding this approval or the necessary requirements, please contact Brad Hill or Clinton Dworshak at this office.

Sincerely,

Gil Hunt  
Associate Director

cc: Dan Jackson, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Newfield Production Company, Myton  
SITLA  
Duchesne County  
Well File



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-67170

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: MON BUTTE NE
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		8. WELL NAME and NUMBER: MONUMENT BUTTE FED 16-25
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 572 FSL 601 FEL		9. API NUMBER: 4301331597
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SESE, 25, T8S, R16E		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: 02/13/2009	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: -
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 2/18/09 Dennis Ingram with the State of Utah (DOGM) was contacted concerning the MIT on the above listed well. Permission was given at that time to perform the test on 2/19/09. On 2/19/09 the csg was pressured up to 1420 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 0 psig during the test. There was not a State representative available to witness the test.

API # 43-013-31597

NAME (PLEASE PRINT) Callie Ross

TITLE Production Clerk

SIGNATURE

*Callie Ross*

DATE 02/25/2009

(This space for State use only)

**RECEIVED**  
**MAR 02 2009**  
DIV. OF OIL, GAS & MINING

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: \_\_\_\_\_ Date 2/19/09 Time 9:00 am pm

Test Conducted by: DAVE CLOWARD

Others Present: \_\_\_\_\_

Well: MONUMENT BUTTE FEDERAL  
16-25-8-16

Well Location: SE SE SEC. 25, T8S, R16E

MONUMENT BUTTE FEDERAL DUCHESNE COUNTY, UTAH

Field: MONUMENT BUTTE FEDERAL  
DUCHESNE COUNTY, UTAH  
U-67170

API No: 43-013-31597

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1420</u>	psig
5	<u>1420</u>	psig
10	<u>1420</u>	psig
15	<u>1420</u>	psig
20	<u>1420</u>	psig
25	<u>1420</u>	psig
30 min	<u>1420</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 0 psig

Result:

Pass

Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: David Cloward



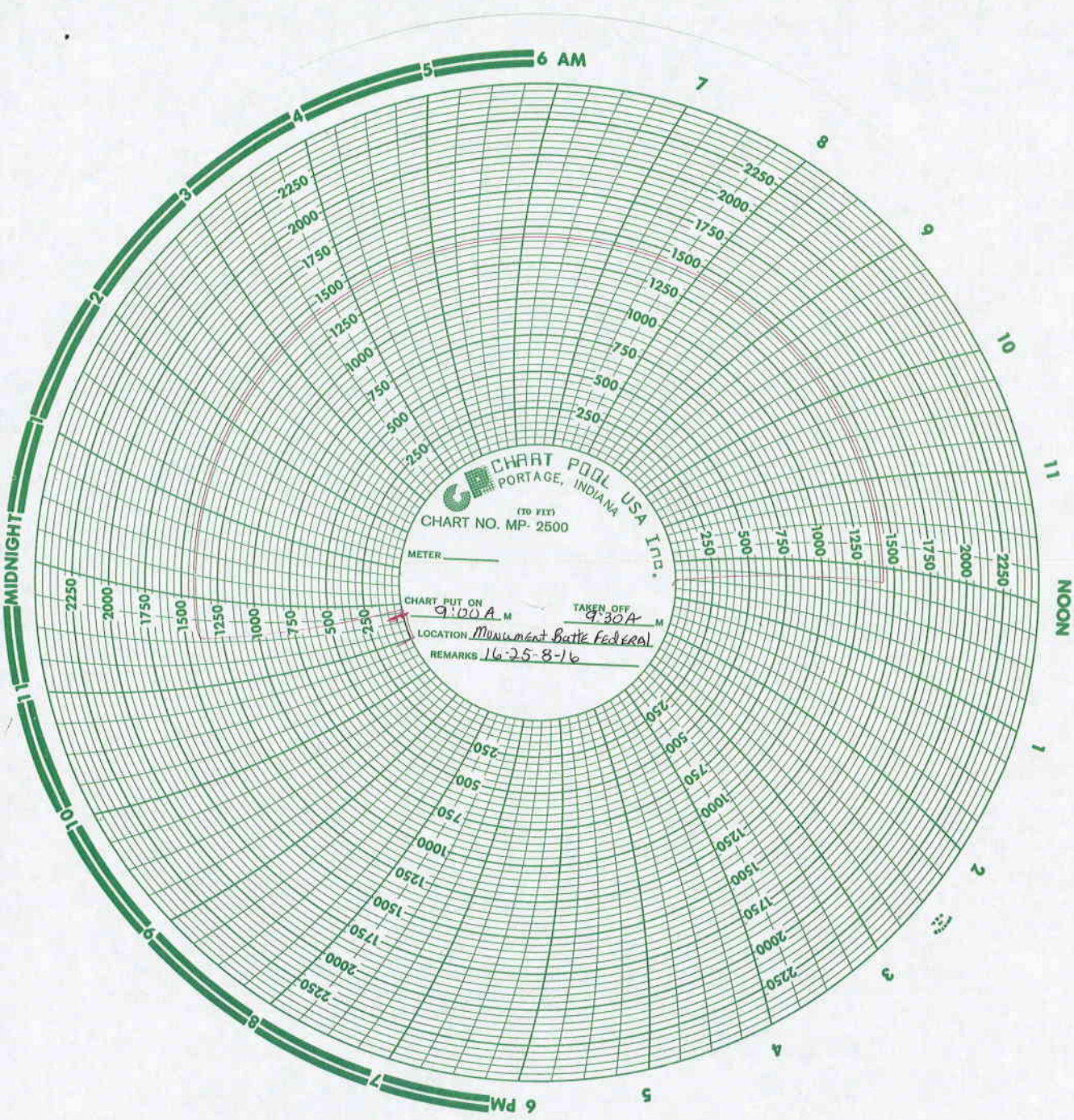


CHART POOL USA INT.  
PORTAGE, INDIANA  
(TO FIX)  
CHART NO. MP- 2500  
METER \_\_\_\_\_  
CHART PUT ON 9:00 A M  
TAKEN OFF 9:30 A M  
LOCATION Monument Butte Federal  
REMARKS 16-25-8-16

**MON BT 16-25-8-16**  
**12/1/2008 To 4/28/2009**

**2/11/2009 Day: 1**

**Conversion**

Stone #5 on 2/10/2009 - MIRU Stone #5. RU hotoiler to csg. Pump 65 bbls 250° water down csg. RD pumping unit. Unseat pump. Flush rods w/ 60 bbls 250° water. Softseat pump. Pressure test tbg. to 3000 psi. LD rods on trailer. LD pump. SWIFN.

---

**2/12/2009 Day: 2**

**Conversion**

Stone #5 on 2/11/2009 - X-over for tbg. ND wellhead. Release TAC. NU BOP. TAC dragging on first 6 jts pulled. Pump 20 bbls water down csg. POOH w/ tbg. ( TAC cont. dragging on way out). Flushed tbg. w/ 30 bbls water on way out. LD bottom 26 jts on trailer. RIH w/ 5 1/2" AS1 pkr., PSN, 30 jts 2 7/8" tbg. SWIFN.

---

**2/14/2009 Day: 3**

**Conversion**

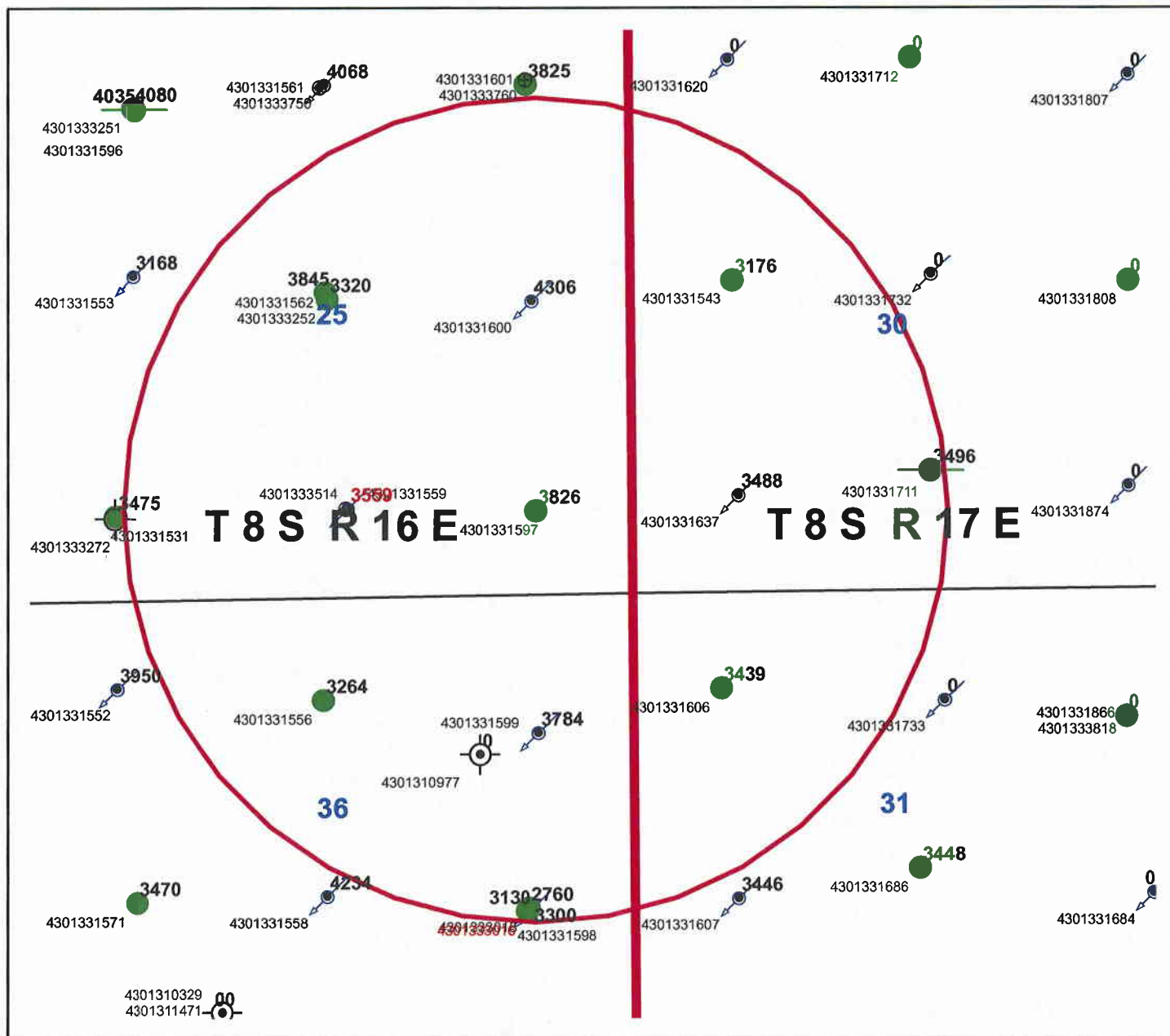
Stone #5 on 2/13/2009 - Cont. RIH w/ tbg. Pressure test tbg. to 3000 psi for 30 min w/ no bleed off. RIH w/ overshot on sandline. Retrieve standing valve. ND BOP. Pump 65 bbls fresh water w/ pkr. Fluid down csg. Set AS1 pkr. @ 4420' w/ 15,000# tension. NU wellhead. Pressure test csg. to 1375 for 30 min. w/ no bleed off. RD. Well ready for MIT.

---

**2/20/2009 Day: 4**

**Conversion**

Rigless on 2/19/2009 - On 2/18/09 Dennis Ingram with the State of Utah DOGM was contacted concerning the MIT on the above listed well (MB 16-25-8-16). Permission was given at that time to perform the test on 2/19/09. On 2/19/09 the csg was pressured up to 1420 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test . The tbg pressure was 0 psig during the test. There was not a State representative available to witness the test. API # 43-013-31597



# Monument Butte Federal 16-25-8-16

## Legend

<b>wells point</b>		●	POW
<b>WELLTYPE</b>		⊗	SGW
⚡	GIW	●	SOW
⊗	GSW	⚡	TA
×	LA	○	TW
⊕	LOC	⚡	WDW
⊗	PA	⚡	WIW
⊗	PGW	●	WSW



0 0.4 Miles



**NOTICE OF  
AGENCY  
ACTION  
CAUSE NO.  
UIC 346**

BEFORE THE DIVISION OF OIL, GAS AND MINING

DEPARTMENT OF NATURAL RESOURCES

STATE OF UTAH  
THE STATE OF UTAH  
TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of the Newfield Exploration Company for administrative approval of the Monument Butte 10-25-8-16

well, located in NW/4 SE/4 Section 25, Monument Butte 16-25-8-16 well, located SE/4 SE/4 in Section 25, Gavilan State 22-32-8-16 well, located in SE/4 NW/4 Section 32, State 33-32-8-16 well, located in NE/4 SE/4 Section 32, Wells Draw Federal 24-33-8-16 well, located in SE/4 SW/4 Section 33, Monument Butte 8-35-8-16 well, located in SE/4 NE/4 Section 35, Monument Butte 6-36-8-16 well, located in SE/4 NW/4 Section 36, Wells Draw 8-5-9-16 well, located in SE/4 NE/4 Section 5, Salt Lake Meridian, Duchesne, Utah, for conversion to a Class II injection well. These wells are located in the Monument Butte and Wells Draw Units respectively. The adjudicative proceedings will be conducted informally according to Utah Admin. Rule R649-10, Administrative Procedures.

Selective zones in the Green River Formation will be used for water injection. The maximum requested injection pressure and rate will be determined on each individual well based on fracture gradient information submitted by Newfield Exploration Company.

Any person desiring to object to the proposed application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Gil Hunt, Associate Director, at P.O. Box 145801, Salt Lake City, Utah 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedure rule. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 21st day of March, 2008

STATE OF UTAH  
DIVISION OF OIL,  
GAS & MINING  
Gil Hunt  
Associate Director  
Published in the Uintah  
Basin Standard March 25,  
2008.

NOTICE OF AGENCY ACTION  
BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
CAUSE NO. UIC 346

IN THE MATTER OF THE APPLICATION OF NEWFIELD EXPLORATION COMPANY FOR ADMINISTRATIVE APPROVAL OF THE MONUMENT BUTTE 10-25-8-16, MONUMENT BUTTE 16-25-8-16 WELLS LOCATED IN SECTION 25, GAVILAN STATE 22-32-8-16, STATE 33-32-8-16, WELLS LOCATED IN SECTION 32, WELLS DRAW FEDERAL 24-33-8-16 WELL LOCATED IN SECTION 33, MONUMENT BUTTE 8-35-8-16 WELL LOCATED IN SECTION 35, MONUMENT BUTTE 6-36-8-16 WELL LOCATED IN SECTION 36, TOWNSHIP 8 SOUTH, RANGE 16 EAST; WELLS DRAW 8-5-9-16 WELL LOCATED IN SECTION 5 TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

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Dated this 21st day of March, 2008

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

/s/ Gil Hunt  
Associate Director

251164

UPAXLP



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil Gas and Mining

JOHN R. BAZA  
Division Director

## UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-346

**Operator:** Newfield Production Company  
**Well:** Monument Butte Federal 16-25-8-16  
**Location:** Section 25, Township 8 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-31597  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on May 6, 2008.
2. Maximum Allowable Injection Pressure: 2,000 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4,518' - 5,166')

Approved by:

  
Gil Hunt  
Associate Director

3-18-09  
Date

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Eric Sundberg, Newfield Production Company, Denver  
Newfield Production Company, Myton  
Duchesne County  
Well File





JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil Gas and Mining

JOHN R. BAZA  
Division Director

## UNDERGROUND INJECTION CONTROL PERMIT

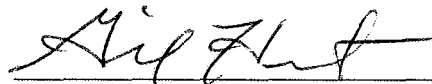
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Approved by:

  
Gil Hunt  
Associate Director

3-18-09  
Date

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Eric Sundberg, Newfield Production Company, Denver  
Newfield Production Company, Myton  
Duchesne County  
Well File



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-67170
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: MON BUTTE NE
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 572 FSL 601 FEL		8. WELL NAME and NUMBER: MONUMENT BUTTE FED 16-25
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SESE, 25, T8S, R16E		9. API NUMBER: 4301331597
		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will 03/30/2009	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARITLY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Change status put well on injection
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above reference well was put on injection at 6:45 PM on 3-30-09.

NAME (PLEASE PRINT) Kathy Chapman

TITLE Office Manager

SIGNATURE

DATE 04/01/2009

(This space for State use only)

RECEIVED

APR 02 2009

DIV. OF OIL, GAS & MINING

**DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM  
PERMIT  
STATEMENT OF BASIS**

**Applicant:** Newfield Production Company      **Well:** Monument Butte Federal 16-25-8-16

**Location:** 25/8S/16E      **API:** 43-013-31597

**Ownership Issues:** The proposed well is located on Federal land. The well is located in the Monument Butte NE Unit. Lands in the one-half mile radius of the well are administered by the BLM and State of Utah. The Federal Government and the State of Utah are the mineral owners within the area of review. Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Monument Butte NE Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed well has surface casing set at 296 feet and has a cement top at the surface. A 5½ inch production casing is set at 6,101 feet. A cement bond log demonstrates adequate bond in this well up to 3,826 feet. A 2 7/8 inch tubing with a packer will be set at 4,419 feet. A mechanical integrity test will be run on the well prior to injection. There are 7 producing wells, 5 injection wells and 1 shut-in well in the area of review. All of the wells have evidence of adequate casing and cement. No other corrective action will be required.

**Ground Water Protection:** According to Technical Publication No. 92 the base of moderately saline water is approximately 202 feet. Injection shall be the interval between 4,518 feet and 5,166 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 16-25-8-16 well is .93 psi/ft which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 2,167 psig. The requested maximum pressure is 2,167 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Monument Butte NE Unit March 5, 1996. Correlative rights issues were addressed at that time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

**Bonding:** Bonded with the BLM.

**Actions Taken and Further Approvals Needed:** A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Clinton Dworshak Date 04/23/2008

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-67170
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> MONUMENT BUTTE FED 16-25
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0572 FSL 0601 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESE Section: 25 Township: 08.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013315970000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/14/2014	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: <input type="text" value="5 YR MIT"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  <div style="display: flex; justify-content: space-between;"> <div style="width: 70%;"> <p>On 01/09/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 01/14/2014 the casing was pressured up to 1872 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test . The tubing pressure was 1872 psig during the test. There was a State representative available to witness the test - Chris Jensen.</p> </div> <div style="width: 25%; text-align: center;"> <p><b>Accepted by the Utah Division of Oil, Gas and Mining</b></p> <p><b>FOR RECORD ONLY</b></p> <p>January 16, 2014</p> </div> </div>		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 1/16/2014	



# Mechanical Integrity Test Casing or Annulus Pressure Test

**Newfield Production Company****Rt. 3 Box 3630****Myton, UT 84052****435-646-3721**

Witness: Chris Jensen Date 1/14/14 Time 11:00 am pm  
Test Conducted by: INAKI LASA  
Others Present: \_\_\_\_\_

5 YEAR MIT**Well:** MON BUTTE FED 16-25-8-16SE/SE SEC. 25, T8S, R16E**Well Location:**DUCHESNE COUNTY, UTAH.**Field:** GREATER MONUMENT BUTTE**API No:** 4301331597**Time****Casing Pressure**

0 min	<u>11.4</u>	psig
5	<u>1,414.2</u>	psig
10	<u>1,414.6</u>	psig
15	<u>1,414.6</u>	psig
20	<u>1,415.4</u>	psig
25	<u>1,415.4</u>	psig
30 min	<u>1,415.2</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

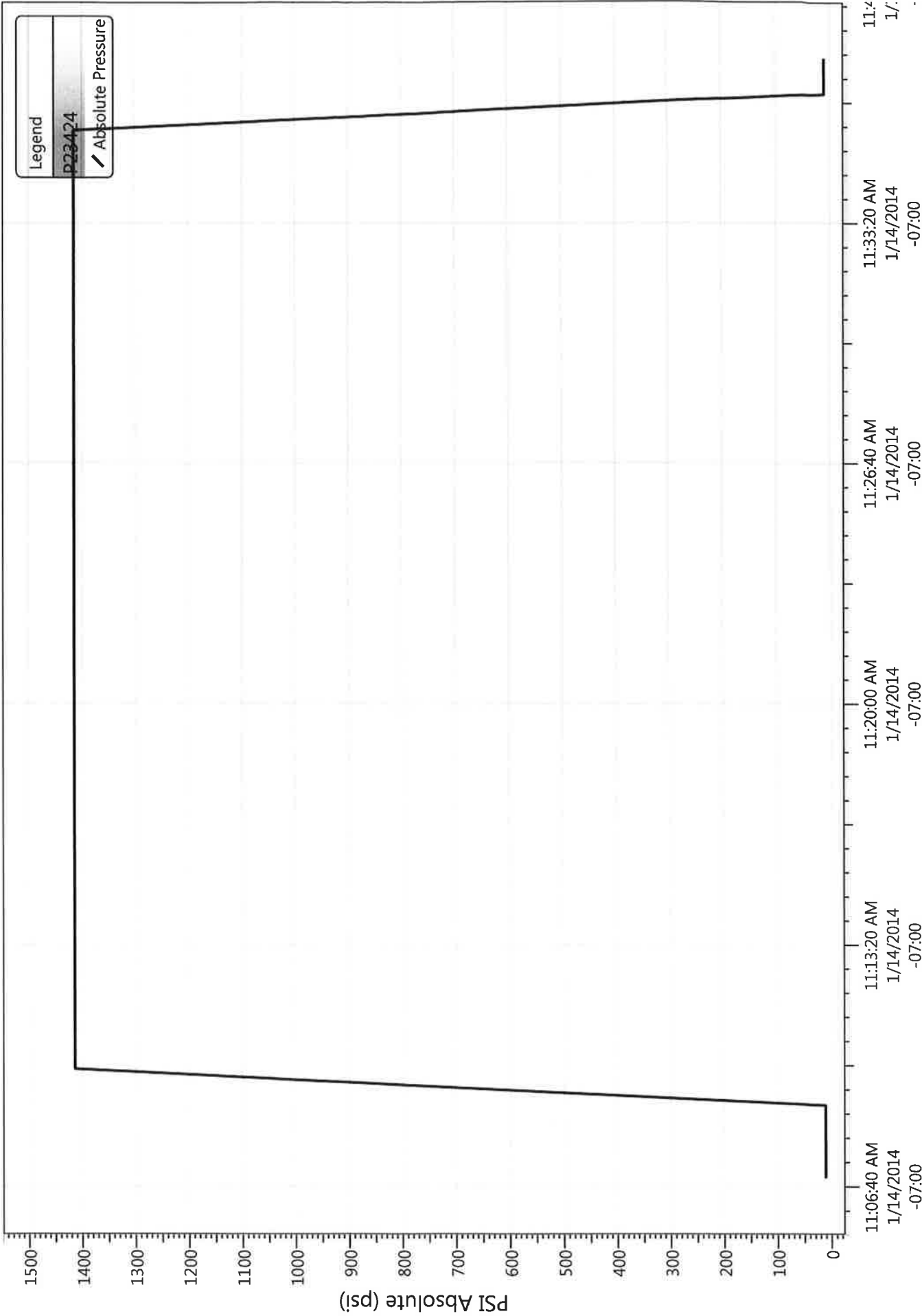
Tubing pressure: 1,872 psigResult: Pass Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Inaki Las

Mon Butte Fed 16-25-8-16

1/14/2014 11:06:13 AM



# Monument Butte Fed. #16-25-8-16

Spud Date: 4/22/96  
Put on Production: 8/7/96  
GL: 5302' KB: 5315'

Initial Production: 98 BOPD,  
87 MCFD, 4 BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (295.64')  
DEPTH LANDED: 296.04' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 120 sxs Premium cement.

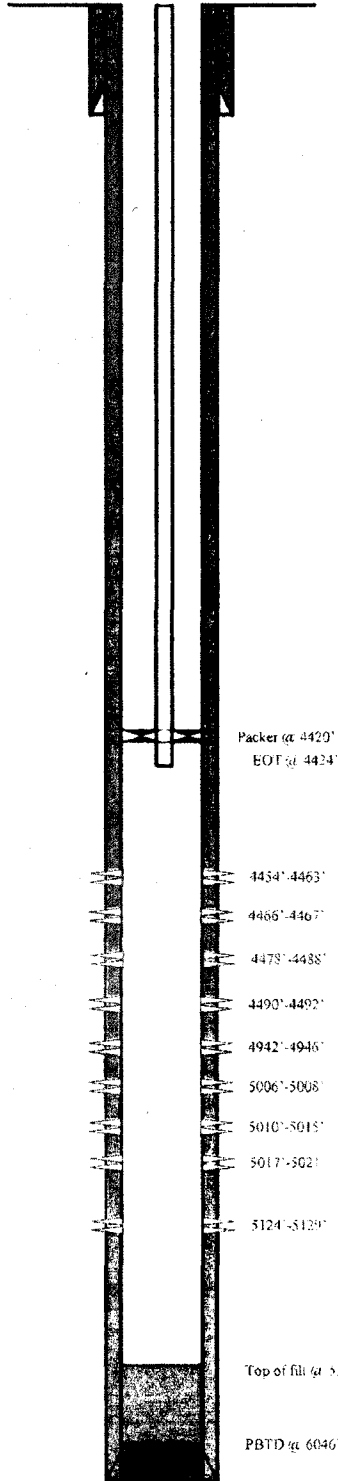
## PRODUCTION CASING

CSG SIZE: 6-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 144 jts (6107.04')  
DEPTH LANDED: 6101.04'  
HOLE SIZE: 7.75"  
CEMENT DATA: 290 sxs Hifill & 330 sxs Thixotropic  
CEMENT TOP AT: Surface per CBL.

## TUBING

SIZE/GRADE/WT: 2.75" / J-55 / 6.5#  
NO. OF JOINTS: 142 jts (4402.42')  
SEATING NIPPLE: 2.75" (1.05')  
SN LANDED AT: 4415.42' KB  
TOTAL STRING LENGTH: EOT @ 4423.91' KB

Injection Wellbore  
Diagram



## FRAC JOB

Date	Depth	Fracture Details
7/29/96	5124'-5129'	Fracture C sands as follows: 56,300# 20/40 sand in 338 Bbls Boragel. Treated @ avg rate of 20 BPM w/ avg press of 2600 psi. ISIP: 3282 psi. Calc flush: 5121 gal. Actual flush: 5033 gal.
7/31/96	4942'-5021'	Fracture D1 & D2 sands as follows: 96,000# 20/40 sand in 471 Bbls of Boragel. Treated @ avg rate of 21 BPM w/ avg press of 2250 psi. ISIP: 3395 psi. Calc flush: 4940 gal. Actual flush: 4855 gal.
8/2/96	4454'-4492'	Fracture GB6 sands as follows: 104,400# 20/40 sand in 478 Bbls Boragel. Treated @ avg rate of 18.3 BPM w/ avg press of 1550 psi. ISIP: 2196 psi. Calc flush: 4452 gal. Actual flush: 4377 gal.
7/18/03		Tubing leak. Update rod and tubing detail.
2/13/09		Well converted to an Injection Well.
2/25/09		MIT completed and submitted.

## PERFORATION RECORD

Date	Depth	Perforation Details
7/27/96	5124'-5129'	4 JS/PF 20 holes
7/30/96	4942'-4946'	4 JS/PF 16 holes
7/30/96	5006'-5008'	4 JS/PF 8 holes
7/30/96	5010'-5015'	4 JS/PF 20 holes
7/30/96	5017'-5021'	4 JS/PF 16 holes
8/1/96	4454'-4463'	4 JS/PF 36 holes
8/1/96	4466'-4476'	4 JS/PF 40 holes
8/1/96	4478'-4488'	4 JS/PF 40 holes
8/1/96	4490'-4492'	4 JS/PF 8 holes

## **NEWFIELD**

Monument Butte Fed. #16-25-8-16  
572' FSL & 601' FEL  
SE/SE Section 25-T8S-R16E  
Duchesne Co, Utah  
API #43-013-31597; Lease #U-67170